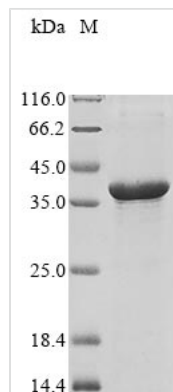




# Recombinant Human Non-structural maintenance of chromosomes element 3 homolog (NSMCE3)

|                          |                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP856984HU                                                                                                                                                                                                                                                                                                                         |
| <b>Abbreviation</b>      | Recombinant Human NSMCE3 protein                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                        |
| <b>Uniprot No.</b>       | Q96MG7                                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>              | Liquid or Lyophilized powder                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>    | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.                                                                                                             |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>            | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>          | MLQKPRNRGRSGGQAERDRDWSHSGNPGASRAGEDARVLRDGF AEEAPST<br>SRGPGGSQGSQGPSPQGARRAQAAPAVGPRSQKQLELKVSELVQFLLIKDQ<br>KKIPIKRADILKHVIGDYKDIFPDLFKRAAERLQYVFGYKLVELEPKSNTYILINTL<br>EPVEEDAEMRGDQGTPTTGLLMIVLGLIFMKGNTIKETEAWDFLRRLGVYPTK<br>KHLIFGDPKKLITEDFVRQRYLEYRRIPHTDPVDYEFQWGPRTNLET SKMKVLK<br>FVAKVHNQDPKDWPAQYCEALADEENRARPQPSGPAPSS |
| <b>Research Area</b>     | Others                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                 |
| <b>Target Names</b>      | NSMCE3                                                                                                                                                                                                                                                                                                                                 |
| <b>Expression Region</b> | 1-304aa                                                                                                                                                                                                                                                                                                                                |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                    |
| <b>Tag Info</b>          | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                |
| <b>Mol. Weight</b>       | 38.4 kDa                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Length</b>    | Full Length                                                                                                                                                                                                                                                                                                                            |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                                                        |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

In e.coli cells, the generation of the recombinant Human NSMCE3 protein includes integrating a DNA fragment encoding the Human NSMCE3 protein (1-304aa) into a plasmid vector and transforming this vector into e.coli cells. Cells containing the plasmid are screened, cultured, and induced to yield the NSMCE3 protein. A N-terminal 6xHis tag is attached to the protein. Lysis of the cells facilitates the collection of the recombinant Human NSMCE3 protein, which is subjected to affinity purification and then SDS-PAGE analysis and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of the obtained recombinant Human NSMCE3 protein is greater than 85%.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.