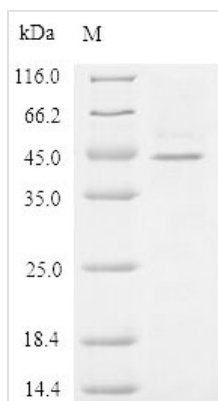




# Recombinant Human Zona pellucida sperm-binding protein 3 (ZP3), partial

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-MP027121HU  |
| <b>Relevance</b>         | The mammalian zona pellucida, which mediates species-specific sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy, is composed of three to four glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP3 is essential for sperm binding and zona matrix formation.   |
| <b>Abbreviation</b>      | Recombinant Human ZP3 protein, partial  |
| <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>       | P21754  |
| <b>Product Type</b>      | Recombinant Proteins  |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.   |
| <b>Sequence</b>          | QPLWLLQGGASHPETSVPVLVEQCQEATLMVMVSKDLFGTGKLIRAADLTGLPEACEPLVSMDETDDVVRFEVGLHECGNSMQVTDDALVYSTFLLHDPRPVGNLSIVRTNRAEIPICRYPRQGNVSSQAILPTWLPFRRTTVFSEEKLTFSRLMEENWNAEKRSPTFHLGDAHLQAEIHTGSHVPLRLFVDHCVATPTPDQNASPYHTIVDFHGCLVDGLTDASSAFKVPRPGPDTLQFTVDVVFHFANDSRNMIYITCHLKVTLAEQDPDELNKACSFSPNSWFPVEGSADICQCCNKGDCGTPSHSRRQPHVMSQWSRSASRNRHVTTEEADVTVGPLIFLDRRGDHEVEQWALPSDTSV |
| <b>Research Area</b>     | Developmental Biology   |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | ZP3   |
| <b>Expression Region</b> | 23-387aa  |
| <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-Myc-tagged   |
| <b>Mol. Weight</b>       | 44.6kDa   |
| <b>Protein Length</b>    | partial   |
| <b>Image</b>             |   |



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

## 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.