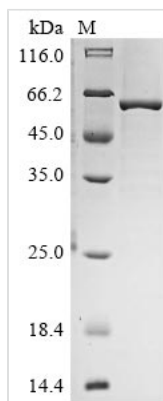




# Recombinant Human Noggin (NOG)

<b>Product Code</b>	CSB-EP015917HU
<b>Abbreviation</b>	Recombinant Human NOG 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>	Q13253
<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>	QHYLHIRPAPSDNLPLVDLIEHPDPIFDPKEKDLNETLLRSLGHHYDPGFMAT SPPEDRPGGGGGAAGGAEDLAELDQLLRQRPSGAMPSEIKGLEFSEGLAQQ KKQRLSKKLRRKLQMWLWSQTFCPVLYAWNDLGSRFWPRYVKVGSCFSKRS CSVPEGMVCKPSKSVHLTVLRWRCQRRGGQRCGWIPYPIISECKCSC
<b>Research Area</b>	Developmental Biology
<b>Source</b>	E.coli
<b>Target Names</b>	NOG
<b>Expression Region</b>	28-232aa
<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 10xHis-GST-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	58.2 kDa
<b>Protein Length</b>	Full Length of Mature Protein

## Image



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



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## Description

The expression of the recombinant Human NOG protein entails introducing a DNA expression vector containing the gene for the desired protein (28-232aa) into e.coli cells through transformation. Subsequently, the cells are cultured to facilitate the expression of the intended protein. The protein features a N-terminal 10xHis-GST tag and C-terminal Myc tag fusion. The resulting recombinant Human NOG protein is then gathered and purified from the cell lysate using affinity purification. Its purity, determined by SDS-PAGE, exceeds 85%.

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## 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.

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## Shelf Life

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