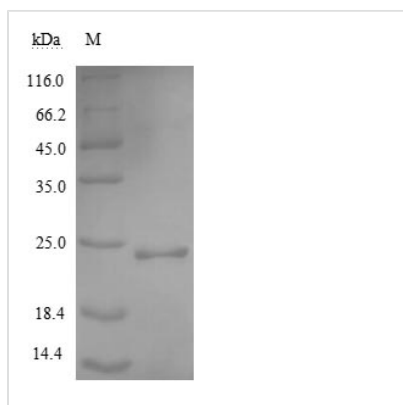




Recombinant Human Noggin protein (NOG) (Active)

Product Code	CSB-AP003011HU
Abbreviation	Recombinant Human NOG protein (Active)
Uniprot No.	Q13253
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered 30 % acetonitrile, 0.1 % TFA
Product Type	Growth Factor
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by inhibiting BMP-4- induced alkaline phosphatase production of murine ATDC5 cells is less than 3.0 ng/ml, corresponding to a specific activity of $>3.3 \times 10^5$ IU/mg in the presence of 5 ng/ml rHuBMP-4.
Purity	>95% as determined by SDS-PAGE.
Sequence	M+QHYLEHIRPA PSDNLPLVDL IEHPDPIFDP KEKDLNETLL RSLGGLHYDP GFMATSPPED RPGGGGGAAG GAEDLAELDQ LLRQRPSGAM PSEIKGLEFS EGLAQGKKQR LSKKLRRKLQ MWLWSQTFCP VLYAWNDLGS RFWPRYVKVG SCFSKRSCSV PEGMVCKPSK SVHLTVLRWR CQRRGGQRCG WIPIQYPIIS ECKCSC
Research Area	Stem Cells?
Source	E.Coli
Target Names	NOG
Expression Region	28-232aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	23.2 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	7666191; 15489334; 21976273; 24098149; 12478285; 10080184; 11846737; 11545688; 12089654; 11857750; 15770128; 17668388; 20503332
Image	


Endotoxin

Less than 1.0 EU/μg as determined by LAL method.

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.