

Product Datasheet

Recombinant Human Noggin (NOG) (Active) (orb2657892)

Catalog Number	orb2657892
Category	Proteins
Description	This Recombinant Human Noggin (NOG) (Active) spans the amino acid sequence from region 28-232aa. Purity: Greater than 95% as determined by SDS-PAGE.
Tag	Tag free
Form/Appearance	Lyophilized powder
Buffer/Preservatives	Lyophilized from a 0.2 µm filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Purity	Greater than 95% as determined by SDS-PAGE.
Protein Sequence	QHYLHIRPAPSDNLPLVDLIEHPDPIFDPKEKDLNETLLRSLLGGHYDPGFMATSPPEDRPGG GGGAAGGAEDLAELDQLLRQRPSGAMPSEIKGLEFSEGLAQGKKQRLSKLRRKLQMWL WSQTFPCPLYAWNDLGSRFWPRYVKVGSCFSKRSCSVPEGMVCKPSKSVHLTVLRWRCQ RRGGQRCGWIPYPIIIECKCSC
Protein Length	Full Length of Mature Protein
UniProt ID	Q13253
MW	23 kDa
Application notes	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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Endotoxins	≤10 EU/mg by the LAL method
Source	Mammalian cell
Biological Origin	Homo sapiens (Human)
Biological Activity	Determined by its ability to inhibit 5.0 ng/ml of BMP-4 induced alkaline phosphatase production by ATDC-5 chondrogenic cells. The expected ED50 for this effect is 2.0-3.0 ng/ml of Noggin.
Expression Region	28-232aa
Storage	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.
Note	For research use only

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