

NOGGIN, Human
Catalog # PVGS1066**Specification**

NOGGIN, Human - Product Information**Species**
Human**Sequence**
MQHYLHIRPA PSDNLPLVDL IEHPDPI FDP KEKDLNETLL RSLG GHYDP GFMATSPPED

RPGGGGAAG GAEDLAELDQ LLRQRPSGAM PSEIKGLEFS EQLAQGKKQR
 LSKLRRKLQ
MWLWSQTFCP VLYAWNDLGS RFWPRYVKVG SCFSKRSCSV
 PEGMVCKPSK SVHLTVLRWR
CQRRGGQRCG WIPIQYPIIS ECKCSC**Purity**
> 95 % by SDS-PAGE and HPLC analyses.**Endotoxin Level**
Less than 1 EU/ µg of rHuNoggin as determined by LAL method.**Formulation**
Lyophilized from a 0.2 µm filtered concentrated solution in 30 % acetonitrile, 0.1 % TFA.**Reconstitution**
We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 10mM HAC to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.**NOGGIN, Human - Additional Information****Target Background**
Noggin belongs to a group of diffusible proteins which bind to ligands of the TGF-β family and regulate their activity by inhibiting their access to signaling receptors. Noggin was originally identified as a BMP-4 antagonist whose action is critical for proper formation of the head and other dorsal structures. Consequently, Noggin has been shown to modulate the activities of other BMPs including BMP-2,-7,-13, and -14. Targeted deletion of Noggin in mice results in prenatal death and recessive phenotype displaying a severely malformed skeletal system. Conversely, transgenic mice over-expressing Noggin in mature osteoblasts display impaired osteoblastic differentiation, reduced bone formation, and severe osteoporosis.**NOGGIN, Human - Protein Information****NOGGIN, Human - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NOGGIN, Human - Images