

Human CellExp Noggin, Human recombinant protein
Human Cellexp Human Recombinant Noggin
Catalog # PBV10706r**Specification**

Human CellExp Noggin, Human recombinant protein - Product info

Primary Accession [O13253](#)
Calculated MW **65 kDa, homodimer, glycosylated KDa**

Human CellExp Noggin, Human recombinant protein - Additional Info

Gene ID **9241**
Gene Symbol **NOG**

Other Names
SYM1, SYNS1, NOG.

Gene Source **Human**
Source **Human 293 cell expressed**
Assay&Purity **SDS-PAGE; > 95%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**
Results **20 to 100 ng/ml**

Application Notes

Reconstitute in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Format

Lyophilized

Storage

-80°C; Lyophilized in PBS.

Human CellExp Noggin, Human recombinant protein - 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](#)

Human CellExp Noggin, Human recombinant protein - Images**Human CellExp Noggin, Human recombinant protein - 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.

Human CellExp Noggin, Human recombinant protein - References

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Groppe J.,et al.Nature 420:636-642(2002).
Gong Y.,et al.Nat. Genet. 21:302-304(1999).
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