

## Recombinant Mouse Noggin

**Cat. No.** Nog-1770M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Description</b>	Noggin is a secreted glycoprotein predominantly expressed by the dorsal mesoderm during embryogenesis that inhibits TGF- $\beta$ signal transduction by binding to TGF- $\beta$ family ligands and preventing them from binding to their corresponding receptors.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Mouse Nog is Mr 26 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 30 - 35 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Formulation</b>	This recombinant protein was lyophilized from a 0.2 $\mu$ m filtered solution in 30% acetonitrile (CH <sub>3</sub> CN) and 0.1% trifluoroacetic acid (TFA).
<b>Purity</b>	>90% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

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## GENE INFORMATION

<b>Gene Name</b>	Nog noggin [ Mus musculus ]
<b>Synonyms</b>	Nog; noggin; OTTMUSP00000001311
<b>Gene ID</b>	18121
<b>mRNA Refseq</b>	NM_008711
<b>Protein Refseq</b>	NP_032737
<b>UniProt ID</b>	P97466
<b>Chromosome Location</b>	11 C; 11 50.5 cM
<b>Pathway</b>	TGF-beta signaling pathway

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