

Recombinant Mouse Noggin

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

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
Description	Noggin is a secreted glycoprotein predominantly expressed by the dorsal mesoderm during embryogenesis that inhibits TGF- β signal transduction by binding to TGF- β family ligands and preventing them from binding to their corresponding receptors.
Molecular Weight	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.
State Of Matter	Lyophilized.
Formulation	This recombinant protein was lyophilized from a 0.2 μ m filtered solution in 30% acetonitrile (CH ₃ CN) and 0.1% trifluoroacetic acid (TFA).
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	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

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for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

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

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