

Recombinant Mouse Gemin2 Protein, Myc/DDK-tagged

Cat. No. Gemin2-5881M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length survivor of motor neuron protein interacting protein 1 (cDNA clone MGC:59266 IMAGE:6336522), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes one of the proteins found in the survival of motor neuron (SMN) complex, which consists of the SMN protein and several gemin proteins. The SMN complex is localized to a subnuclear compartment called gems (gemini of coiled bodies) and is required for assembly of spliceosomal small nuclear ribonucleoproteins (snRNP) and for pre-mRNA splicing. This protein interacts directly with the SMN protein and it is required for formation of the SMN complex. Disruption of this gene in mouse resulted in impaired snRNP assembly, and motor neuron degeneration.
Molecular Mass	20.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Gemin2 gem nuclear organelle associated protein 2 [Mus musculus (house mouse)]

Official Symbol Gemin2

Synonyms Gemin2; gem nuclear organelle associated protein 2; S; Sip1; gemin-2; gem-associated protein 2; SMN-interacting protein 1; component of gems 2; survival of motor neuron protein-interacting protein 1; survivor of motor neuron protein interacting protein 1

Gene ID 66603

mRNA Refseq NM_025656

Protein Refseq NP_079932

UniProt ID Q9CQQ4

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