

## Product datasheet for TP311219

### Gemin 2 (GEMIN2) (NM\_003616) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human survival of motor neuron protein interacting protein 1 (SIP1), transcript variant alpha, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC211219 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)
	<p> MMRAELAGLKTMWVPAESAVEELMPRLLPVEPCDLTEGFDPSVPPRTPQEYLRRVQIEAAQCPDWVVAQ  IDPKKLKRKQSVNISLSGCQPAPEGYSPTLQWQQQVAQFSTVRQNVNKHRSWKSQQLDSNVTMPKSED  EEGWKKFCLGEKLCADGAVGPATNESPGIDYVQIGFPPLLSIVSRMNQATVTSVLEYLSNWFGERDFTPE  LGRWLYALLACLEKPLLPEAHSIRQLARRCSEVRLLVDSKDDERVPALNLLICLVSRFDQRDLADEPS </p> <p> TRTRPLEQKLISEEDLAANDILDYKDDDDKV </p>
Tag:	C-Myc/DDK
Predicted MW:	31.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_003607</u>
Locus ID:	8487



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UniProt ID: [O14893](#)

RefSeq Size: 1368

Cytogenetics: 14q21.1

RefSeq ORF: 840

Synonyms: SIP1; SIP1-delta

**Summary:** This gene encodes one of the proteins found in the SMN complex, which consists of several gemin proteins and the protein known as the survival of motor neuron protein. The SMN complex is localized to a subnuclear compartment called gems (gemini of coiled bodies) and is required for assembly of spliceosomal snRNPs and for pre-mRNA splicing. This protein interacts directly with the survival of motor neuron protein and it is required for formation of the SMN complex. A knockout mouse targeting the mouse homolog of this gene exhibited disrupted snRNP assembly and motor neuron degeneration. [provided by RefSeq, Aug 2011]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified GEMIN2 protein (Cat# TP311219). The protein was produced from HEK293T cells transfected with GEMIN2 cDNA clone (Cat# [RC211219]) using MegaTran 2.0 (Cat# [TT210002]).