

Product datasheet for PH311219

Gemin 2 (GEMIN2) (NM_003616) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SIP1 MS Standard C13 and N15-labeled recombinant protein (NP_003607)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211219
Predicted MW:	31.6 kDa
Protein Sequence:	>RC211219 protein sequence Red=Cloning site Green=Tags(s) MRR AELAGLKTMAWVPAESAVEELMPRLLPVEPCDLTEGFDPSVPPRTPQEYLRRVQIEAAQCPDVVVAQ IDPKKLRKQSVNISLSGCQPAPEGYSPTLQWQQQVAQFSTVRQNVNKHRSWKSSQLDSNVTMPKSED EEGWKKFCLGEKLCADGAVGPATNESPGIDYVQIGFPPLLSIVSRMNQATVTSVLEYLSNWFGERDFTPE LGRWLYALLACLEKPLLPEAHSLIRQLARRCSEVRLLVSKDDERVPALNLLICLVSRYFDQRDLAEPSS TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003607
RefSeq Size:	1368
RefSeq ORF:	840
Synonyms:	SIP1; SIP1-delta
Locus ID:	8487
UniProt ID:	O14893



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Cytogenetics: 14q21.1

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]).