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Product datasheet for PH304795

Gemin 8 (GEMIN8) (NM_001042480) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GEMIN8 MS Standard C13 and N15-labeled recombinant protein (NP_001035945)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204795
Predicted MW:	28.6 kDa
Protein Sequence:	>RC204795 protein sequence Red=Cloning site Green=Tags(s) MAAVKASTSKATRPWYSHPVYARYWQHYHQAMAWMQSHHNAYRKAVESCFNLPWYLPSALLPQSSYDNEA AYPQSFYDHHVAWQDYPCSSSHFRRSGQHPRYSSRIQASTKEDQALSKEEEMETESDAEVECDLSNMEIT EELRQYFAETERHREERRRQQQLDAERLDSYVNADHDLYCNTRRSVEAPTERPGERRQAEMKRLYGDSAA KIQAMEAAVQLSFDKHCDRKQPKYWPVIPLKF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_001035945
RefSeq Size:	3089
RefSeq ORF:	726
Synonyms:	FAM51A1
Locus ID:	54960
UniProt ID:	Q9NWZ8, A0A024RBX2

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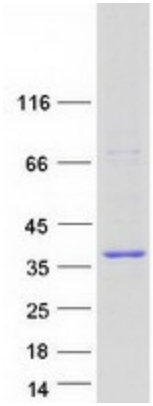
Cytogenetics: Xp22.2

Summary: The protein encoded by this gene is part of the SMN complex, which is necessary for spliceosomal snRNP assembly in the cytoplasm and pre-mRNA splicing in the nucleus. The encoded protein binds to both SMN1 and the GEMIN6/GEMIN7 heterodimer, mediating their interaction. This protein is found in nuclear Gemini of Cajal bodies (gems) and in the cytoplasm. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010]

Product images:



Coomassie blue staining of purified GEMIN8 protein (Cat# [TP304795]). The protein was produced from HEK293T cells transfected with GEMIN8 cDNA clone (Cat# [RC204795]) using MegaTran 2.0 (Cat# [TT210002]).