

# Recombinant Human GEMIN8 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** GEMIN8-3028H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	GEMIN8 MS Standard C13 and N15-labeled recombinant protein (NP_001035945) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	28.6 kDa
<b>AA Sequence</b>	MAAVKASTSKATRPWYSHPVYARYWQHYHQAMAWMQSHHNAYRKAVESCFNLP WYLPSTALLPQSSYDNEAAYPQSFYDHHVAWQDYPCSSSHFRRSGQHPRYSSRIQA STKEDQALSKEEEMETESDAEVECDLSNMEITEELRQYFAETERHREERRRQQQLD AERLDSYVNADHDLYCNTRRSVEAPTERPGERRQAEMKRLYGDSAAKIQAMEAAV QLSFDKHCDRKQPKYWPVIPLKFTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

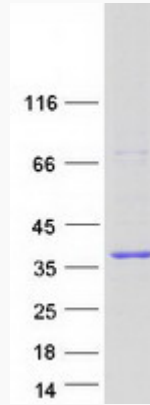
<b>Gene Name</b>	GEMIN8 gem nuclear organelle associated protein 8 [ Homo sapiens (human) ]
<b>Official Symbol</b>	GEMIN8
<b>Synonyms</b>	GEMIN8; gem (nuclear organelle) associated protein 8; FAM51A1, family with sequence similarity 51, member A1; gem-associated protein 8; FLJ20514; gemin-8; family with sequence similarity 51, member A1; FAM51A1; FLJ43072;
<b>Gene ID</b>	54960
<b>mRNA Refseq</b>	NM_001042480
<b>Protein Refseq</b>	NP_001035945
<b>MIM</b>	300962
<b>UniProt ID</b>	Q9NWZ8

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**SDS-PAGE**



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