

## Recombinant Human GEMIN8 Protein, GST-tagged

**Cat. No.** GEMIN8-4845H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GEMIN8 full-length ORF ( NP_060326.1, 1 a.a. - 242 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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. [provided by RefSeq, May 2010] |
| <b>Molecular Mass</b>   | 55 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MAAVKASTSKATRPWYSHPVYARYWQHYHQAMAWMQSHHNAYRKAVESCFNLP<br>WYLP SALLPQSSYDNEAAYPQSFYDHHVAWQDYPCSSSHFRRSGQHPRYSSRIQA<br>STKEDQALSKEEEMETESDAEVECDLSNMEITEELRQYFAETERHREERRRQQQLD<br>AERLDSYVNADHDLYCNTRRSVEAPTERPGERRQAEMKRLYGDSAAKIQAMEAAV<br>QLSFDKHCDRKQPKYWPVIPLKF                                                                                                                                                                                                                  |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production                                                                                                                                                                                                                                                                                                                                                                                     |

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### Protein Array

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

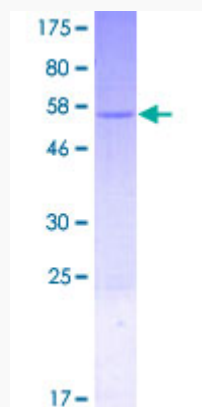
|                        |                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GEMIN8 gem (nuclear organelle) associated protein 8 [ Homo sapiens ]                                                                                                                                                         |
| <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_001042479                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_001035944                                                                                                                                                                                                                 |
| <b>MIM</b>             | 300962                                                                                                                                                                                                                       |
| <b>UniProt ID</b>      | Q9NWZ8                                                                                                                                                                                                                       |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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