

## Recombinant Human EIF2B1 protein, GST-tagged

**Cat. No.** EIF2B1-4443H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Human EIF2B1 protein(Q14232)(1-305aa), fused to N-terminal GST tag, was expressed in E. coli                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-305aa                                                                                                                                                                                                                                                                                                                                                      |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                             |
| <b>Molecular Mass</b>   | 60.7 kDa                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | <p>MDDKELIEYFKSQMKEDPDMASAVAAIRTLLEFLKRDKGETIQGLRANLTSAIETLCG</p> <p>VDSSVAVSSGGELFLRFISLASLEYSKCKKIMIERGELFLRRISLSRNKIADLCHT</p> <p>FIKDGATILTHAYSRVVLRVLEAAVAACKRFSVYVTESQPDLSGKKMAKALCHLNVPV</p> <p>TVVLDAAVGYIMEKADLVIVGAEGVVENGGIINKIGTNQMAVCAKAQNKPFYVVAESF</p> <p>KFVRLFPLNQDVPDKFKYKADTLKVAQTGQDLKEEHPWVDYTAPSLITLLFTDLGV</p> <p>LTPSAVSDELIKLYL</p> |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                  |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                   |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.                                                                    |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>        | EIF2B1 eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa [ Homo sapiens ]                                                                                                                                                                                                                                      |
| <b>Official Symbol</b>  | EIF2B1                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>         | EIF2B1; eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa; EIF2B, eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD); translation initiation factor eIF-2B subunit alpha; EIF 2B; EIF 2Balpha; EIF2BA; eIF-2B GDP-GTP exchange factor subunit alpha; EIF2B; MGC117409; MGC125868; MGC125869; |
| <b>Gene ID</b>          | 1967                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_001414                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_001405                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>              | 606686                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>       | Q14232                                                                                                                                                                                                                                                                                                                           |

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