

Recombinant Human EIF2B2, T7-tagged

Cat. No. EIF2B2-1535H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF2B2 was expressed in <i>E. Coli</i> using an N-terminal T7 tag. MW=40.4 kDa.
Species	Human
Source	E.coli
Description	Eukaryotic initiation factor-2B (EIF2B) is a GTP exchange protein essential for protein synthesis. It consists of α (EIF2B1; 606686), β (EIF2B2), γ (EIF2B3; 606273), δ (EIF2B4; 606687), and epsilon (EIF2B5; 603945) subunits. EIF2B activates its EIF2 (see 603907) substrate by exchanging EIF2-bound GDP for GTP.
Sequence	1-351.
Purity	~95%.
Specific Activity	n/aH.
Preparation	0.1mg/0.37 ml.
Applications	E, WB, MS.
Buffer	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN ₃ .
Storage	Store at -70°C. As with any protein, exposing EIF2B2 recombinant protein to

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repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

SDS-PAGE

SDS PAGE Analysis of EIF3S2 Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.

GENE INFORMATION
Gene Name

EIF2B2 eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa [Homo sapiens]

Synonyms

EIF2B2; eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa; EIF2B; EIF-2Bbeta; eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa

Gene ID

8892

mRNA Refseq

NM_014239

Protein Refseq

NP_055054

MIM

606454

UniProt ID

P49770

Chromosome Location

14q24.3

Pathway

Gene Expression; Metabolism of proteins

Function

protein binding; translation initiation factor activity; GTP binding; translation initiation factor activity; ATP binding

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