Recombinant Human EIF2B2 cell lysate

Cat. No. EIF2B2-540HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	Eukaryotic initiation factor-2B (EIF2B) is a GTP exchange protein essential for protein synthesis. It consists of alpha (EIF2B1; MIM 606686), beta (EIF2B2), gamma (EIF2B3; MIM 606273), delta (EIF2B4; MIM 606687), and epsilon (EIF2B5; MIM 603945) subunits. EIF2B activates its EIF2 (see MIM 603907) substrate by exchanging EIF2-bound GDP for GTP.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	EIF2B2 eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa [Homo sapiens]
Official Symbol	EIF2B2
Synonyms	EIF2B2; eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa; eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD); translation initiation factor eIF-

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	2B subunit beta; EIF 2Bbeta; EIF2B; S20I15; S20III15; eIF-2B GDP-GTP exchange factor subunit beta; EIF-2Bbeta;
Gene ID	8892
mRNA Refseq	NM_014239
Protein Refseq	NP_055054
MIM	606454
UniProt ID	P49770
Chromosome Location	14q24.3
Pathway	Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; Recycling of eIF2:GDP, organism-specific biosystem;
Function	ATP binding; GTP binding; contributes_to guanyl-nucleotide exchange factor activity; contributes_to guanyl-nucleotide exchange factor activity; protein binding; contributes_to translation initiation factor activity;

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