Recombinant Human EIF5B cell lysate

Cat. No. EIF5B-546HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	Accurate initiation of translation in eukaryotes is complex and requires many factors, some of which are composed of multiple subunits. The process is simpler in prokaryotes which have only three initiation factors (IF1, IF2, IF3). Two of these factors are conserved in eukaryotes: the homolog of IF1 is eIF1A and the homolog of IF2 is eIF5B. This gene encodes eIF5B. Factors eIF1A and eIF5B interact on the ribosome along with other initiation factors and GTP to position the initiation methionine tRNA on the start codon of the mRNA so that translation initiates accurately.
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	EIF5B eukaryotic translation initiation factor 5B [Homo sapiens]
Official Symbol	EIF5B
Synonyms	EIF5B; eukaryotic translation initiation factor 5B; DKFZp434I036; FLJ10524; IF2;

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	KIAA0741; translation initiation factor IF2; eIF-5B; translation initiation factor IF-2;
Gene ID	9669
mRNA Refseq	NM_015904
Protein Refseq	NP_056988
MIM	606086
UniProt ID	O60841
Chromosome Location	2p11.1-q11.1
Pathway	Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;
Function	GTP binding; GTPase activity; nucleotide binding; protein binding; translation initiation factor activity; translation initiation factor activity;

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