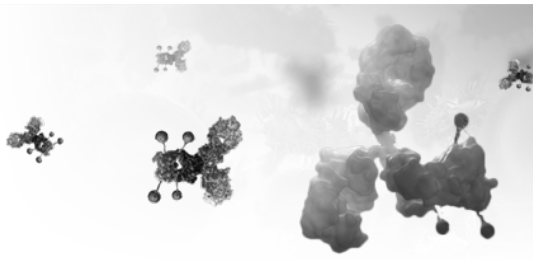

Human EIF2B1 peptide (DAG-P0356)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes one of five subunits of eukaryotic translation initiation factor 2B (EIF2B), a GTP exchange factor for eukaryotic initiation factor 2 and an essential regulator for protein synthesis. Mutations in this gene and the genes encoding other EIF2B subunits have been associated with leukoencephalopathy with vanishing white matter. [provided by RefSeq, Oct 2009]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	EIF2B1 eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa [Homo sapiens (human)]
Official Symbol	EIF2B1
Synonyms	EIF2B1; eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa; EIF2B; EIF2BA; translation initiation factor eIF-2B subunit alpha; eIF-2B GDP-GTP exchange factor subunit alpha;
Entrez Gene ID	1967
mRNA Refseq	NM_001414.3

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Protein Refseq	NP_001405.1
UniProt ID	Q14232
Chromosome Location	12q24.31
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; Translation, organism-specific biosystem; Translation Factors, organism-specific biosystem;
Function	GDP binding; GTP binding; NOT S-methyl-5-thioribose-1-phosphate isomerase activity; enzyme regulator activity; contributes_to guanyl-nucleotide exchange factor activity; protein binding; contributes_to translation initiation factor activity;

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