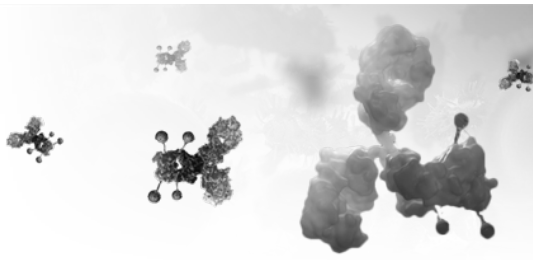

Human EIF2B3 peptide (DAG-P0475)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is one of the subunits of initiation factor eIF2B, which catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP. It has also been found to function as a cofactor of hepatitis C virus internal ribosome entry site-mediated translation. Mutations in this gene have been associated with leukodystrophy with vanishing white matter. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the eIF-2B gamma/epsilon subunits family.
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	EIF2B3 eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa [Homo sapiens (human)]
Official Symbol	EIF2B3
Synonyms	EIF2B3; eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa; EIF-2B; EIF2Bgamma; translation initiation factor eIF-2B subunit gamma; eIF-2B GDP-GTP exchange factor subunit gamma;
Entrez Gene ID	8891

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mRNA Refseq	NM_001166588.2
Protein Refseq	NP_001160060.1
UniProt ID	Q9NR50
Chromosome Location	1p34.1
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	contributes_to guanyl-nucleotide exchange factor activity; contributes_to guanyl-nucleotide exchange factor activity; nucleotidyltransferase activity; protein binding; contributes_to translation factor activity, nucleic acid binding; contributes_to transl

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