EIF4B Blocking Peptide (Center) Blocking Peptide

PRODUCT OVERVIEW

Product Name	EIF4B, Blocking Peptide
Full Product Name	EIF4B Blocking Peptide (Center)
Product Gene Name	EIF4B blocking peptide
Product Synonym Names	Eukaryotic translation initiation factor 4B; eIF-4B; EIF4B
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence is selected from aa 368-382 of HUMAN EIF4B
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	EIF4B peptide (MBS9228564) is used for blocking the activity of EIF4B antibody (MBS9202390)
Molecular Weight	64,805 Da
OMIM	603928
Related Product Information for EIF4B blocking peptide	Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'- terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.
Other Notes	Small volumes of EIF4B blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EIF4B purchase	MBS9228564 is a blocking peptide targeting EIF4B. Also known as EIF4B Blocking Peptide (Center).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EIF4B. It may not necessarily be applicable to this product.

NCBI GI #	205371761
NCBI GeneID	1975
NCBI Accession #	P23588.2
UniProt Primary Accession #	P23588
UniProt Secondary Accession #	Q4G0E3; Q53HQ2; Q6GPH5; Q6IB46; Q8WYK5; B4DS13
UniProt Related Accession #	P23588
NCBI Official Full Name	Eukaryotic translation initiation factor 4B
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4B
NCBI Official Symbol	EIF4B
NCBI Official Synonym Symbols	EIF-4B; PRO1843
UniProt Protein Name	Eukaryotic translation initiation factor 4B
Protein Family	Eukaryotic translation initiation factor
UniProt Gene Name	EIF4B

UniProt Synonym Gene Names	eIF-4B
UniProt Entry Name	IF4B_HUMAN
NCBI Protein Information	eukaryotic translation initiation factor 4B
UniProt Comments for EIF4B	EIF4B: eukaryotic translation initiation factor 4B. Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F. Protein type: RNA-binding; Translation initiation; Translation Chromosomal Location of Human Ortholog: 12q13.13 Cellular Component: cytosol; eukaryotic translation initiation factor 4F complex; polysome Molecular Function: helicase activity; protein binding; ribosomal small subunit binding; RNA binding; RNA strand annealing activity; RNA strand-exchange activity Biological Process: formation of translation preinitiation complex; poly(A) tail shortening; regulation of translational initiation; translational initiation
Research Articles on EIF4B	**1.** MicroRNA-216a inhibits the growth and metastasis of oral squamous cell carcinoma by targeting eIF4B.
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