EIF5 Blocking Peptide (Center) Blocking Peptide

PRODUCT OVERVIEW

Product Name	EIF5, Blocking Peptide
Full Product Name	EIF5 Blocking Peptide (Center)
Product Gene Name	EIF5 blocking peptide
Product Synonym Names	Eukaryotic translation initiation factor 5; eIF-5; EIF5
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 287-298 of HUMAN EIF5
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	EIF5 peptide (MBS9230647) is used for blocking the activity of EIF5 antibody (MBS9217210)
Molecular Weight	49,223 Da
OMIM	601710
Related Product Information for EIF5 blocking peptide	Catalyzes the hydrolysis of GTP bound to the 40S ribosomal initiation complex (40S.mRNA.Met-tRNA[F].eIF-2.GTP) with the subsequent joining of a 60S ribosomal subunit resulting in the release of eIF-2 and the guanine nucleotide. The subsequent joining of a 60S ribosomal subunit results in the formation of a functional 80S initiation complex (80S.mRNA.Met-tRNA[F]).
Other Notes	Small volumes of EIF5 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 EIF5 purchase	MBS9230647 is a blocking peptide targeting EIF5. Also known as EIF5 Blocking Peptide (Center).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EIF5. It may not necessarily be applicable to this product.

NCBI GI #	27735202
NCBI GeneID	1983
NCBI Accession #	P55010.2
UniProt Primary Accession #	P55010
UniProt Secondary Accession #	Q53XB3; Q9H5N2; Q9UG48
UniProt Related Accession #	P55010
NCBI Official Full Name	Eukaryotic translation initiation factor 5
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 5
NCBI Official Symbol	EIF5
NCBI Official Synonym Symbols	EIF-5; EIF-5A
UniProt Protein Name	Eukaryotic translation initiation factor 5
UniProt Gene Name	EIF5

UniProt Synonym Gene Names	eIF-5
UniProt Entry Name	IF5_HUMAN
NCBI Protein Information	eukaryotic translation initiation factor 5
NCBI Summary for EIF5	Eukaryotic translation initiation factor-5 (EIF5) interacts with the 40S initiation complex to promote hydrolysis of bound GTP with concomitant joining of the 60S ribosomal subunit to the 40S initiation complex. The resulting functional 80S ribosomal initiation complex is then active in peptidyl transfer and chain elongations (summary by Si et al., 1996 [PubMed 8663286]).[supplied by OMIM, May 2010]
UniProt Comments for EIF5	EIF5: eukaryotic translation initiation factor 5. Catalyzes the hydrolysis of GTP bound to the 40S ribosomal initiation complex (40S.mRNA.Met-tRNA[F].eIF-2.GTP) with the subsequent joining of a 60S ribosomal subunit resulting in the release of eIF-2 and the guanine nucleotide. The subsequent joining of a 60S ribosomal subunit results in the formation of a functional 80S initiation complex. Protein type: Translation initiation; Translation Chromosomal Location of Human Ortholog: 14q32.32 Cellular Component: cytoplasm; cytosol; nucleus; plasma membrane Molecular Function: GTPase activity; protein binding; translation factor activity, nucleic acid binding Biological Process: regulation of translational initiation
Research Articles on EIF5	**1.** The N-terminal tail of eIF1A mediates the interaction with eIF5 and eIF1.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/eif5/9230647