EEFSEC Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	EEFSEC, Blocking Peptide
Full Product Name	EEFSEC Peptide - C-terminal region
Product Gene Name	EEFSEC blocking peptide
Product Synonym Gene Name	EFSEC; SELB
Sequence	IHIPGGLSPE SKKILTPALK KRARAGRGEA TRQEESAERS EPSQHVVLSL
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	EEFSEC peptide (MBS3241752) is used for blocking the activity of EEFSEC antibody (MBS3216853)
Molecular Weight	65kDa
OMIM	607695
Product Categories/Family for EEFSEC blocking peptide	Peptide
Applications Tested/Suitable for EEFSEC blocking peptide	Western Blot (WB)
Related Product Information for EEFSEC blocking peptide	This is a synthetic peptide designed for use in combination with anti-EEFSEC Antibody, made Target Description: EEFSEC is a translation factor necessary for the incorporation of selenocysteine into proteins. It probably replaces EF-Tu for the insertion of selenocysteine directed by the UGA codon. SelB binds GTP and GDP.
Other Notes	Small volumes of EEFSEC 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 EEFSEC purchase	MBS3241752 is a blocking peptide targeting EEFSEC. Also known as EEFSEC Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

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

NCBI GI #	54607086
NCBI GeneID	60678
NCBI Accession #	NP_068756
UniProt Primary Accession #	P57772
UniProt Related Accession #	P57772
GenBank Nucleotide #	NM_021937
NCBI Official Full Name	selenocysteine-specific elongation factor
NCBI Official Synonym Full Names	eukaryotic elongation factor, selenocysteine-tRNA specific

NCBI Official Symbol	EEFSEC
NCBI Official Synonym Symbols	SELB; EFSEC
UniProt Protein Name	Selenocysteine-specific elongation factor
UniProt Synonym Protein Names	Elongation factor sec; Eukaryotic elongation factor, selenocysteine-tRNA-specific
Protein Family	Selenocysteine-specific elongation factor
UniProt Gene Name	EEFSEC
UniProt Synonym Gene Names	SELB
UniProt Entry Name	SELB_HUMAN
NCBI Protein Information	selenocysteine-specific elongation factor
Research Articles on EEFSEC	**1.** eEFSec employs a non-canonical mechanism involving the distinct C-terminal domain 4 for the release of the selenocysteinyl-tRNA during decoding on the ribosome
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