Tsen15 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	Tsen15, Blocking Peptide
Full Product Name	Tsen15 Peptide - C-terminal region
Product Gene Name	Tsen15 blocking peptide
Product Synonym Gene Name	5730449L18Rik; AL023077; Sen15
Sequence	ASLSHNRIRE ILKASRKLQG DPELPMSFTL AIVESDSTIV YYKLTDGFML
Species Reactivity	Mouse, 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	Tsen15 peptide (MBS3235758) is used for blocking the activity of Tsen15 antibody (MBS3210806)
Molecular Weight	18kDa
Product Categories/Family for Tsen15 blocking peptide	Peptide
Applications Tested/Suitable for Tsen15 blocking peptide	Western Blot (WB)
Related Product Information for Tsen15 blocking peptide	This is a synthetic peptide designed for use in combination with anti-Tsen15 Antibody, made Target Description: Tsen15 is a non-catalytic subunit of the tRNA-splicing endonuclease complex, a complex responsible for identification and cleavage of the splice sites in pre-tRNA. It cleaves pre-tRNA at the 5' and 3' splice sites to release the intron. The products are an intron and two tRNA half-molecules bearing 2',3' cyclic phosphate and 5'-OH termini. There are no conserved sequences at the splice sites, but the intron is invariably located at the same site in the gene, placing the splice sites an invariant distance from the constant structural features of the tRNA body. The tRNA splicing endonuclease is also involved in mRNA processing via its association with pre-mRNA 3' end processing factors, establishing a link between pre-tRNA splicing and pre-mRNA 3' end formation, suggesting that the endonuclease subunits function in multiple RNA-processing events.
Other Notes	Small volumes of Tsen15 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 Tsen15 purchase	MBS3235758 is a blocking peptide targeting Tsen15. Also known as Tsen15 Peptide - C-terminal region. Reactive in Mouse, Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Tsen15. It may not necessarily be applicable to this product.

NCBI GI #	228008361
NCBI GeneID	66637
NCBI Accession #	NP_079953
UniProt Primary Accession #	Q8R3W5
UniProt Related Accession #	Q8R3W5

GenBank Nucleotide #	NM_025677
NCBI Official Full Name	tRNA-splicing endonuclease subunit Sen15
NCBI Official Synonym Full Names	tRNA splicing endonuclease subunit 15
NCBI Official Symbol	Tsen15
NCBI Official Synonym Symbols	Sen15; AL023077; 5730449L18Rik
UniProt Protein Name	tRNA-splicing endonuclease subunit Sen15
UniProt Synonym Protein Names	tRNA-intron endonuclease Sen15
Protein Family	tRNA-splicing endonuclease
UniProt Gene Name	Tsen15
UniProt Synonym Gene Names	Sen15
UniProt Entry Name	SEN15_MOUSE
NCBI Protein Information	tRNA-splicing endonuclease subunit Sen15
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