Leucine-Rich Repeat Transmembrane Neuronal Protein 4 (LRRTM4) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Leucine-rich repeat transmembrane neuronal protein 4 (Lrrtm4), Recombinant Protein
Full Product Name	Recombinant Mouse Leucine-rich repeat transmembrane neuronal protein 4 (Lrrtm4), partial
Product Gene Name	Lrrtm4 recombinant protein
Product Synonym Gene Name	Lrrtm4
Sequence	QRACPKNCRC DGKIVYCESH AFADIPENIS GGSQGLSLRF NSIQKLKSNQ FAGLNQLIWL YLDHNYISSV DEDAFQGIRR LKELILSSNK ITYLHNKTFH PVPNLRNLDL SYNKLQTLQS EQFKGLRKLI ILHLRSNSLK TVPIRVFQDC RNLDFLDLGY NRLRSLSRNA FAGLLKLKEL HLEHNQFSKI NFAHFPRLFN LRSIYLQWNR IRSVSQGLTW TWSSLHTLDL SGNDIQAIEP GTFKCLPNLQ KLNLDSNKLT NVSQETVNAW ISLISITLSG NMWECSRSIC PLFYWLKNFK GNKESTMICA GPKHIQGEKV SDAVETYNIC SDVQVVNTER SHLAPQTPQK PPFIPKPTIF KPDAVPATLE AVSPSPGFQI PGTDHEYEHV SFHK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	59,034 Da
Sequence Positions	31-424
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q80XG9
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Lrrtm4 recombinant protein	MBS1472606 is a recombinant protein targeting Lrrtm4. Also known as Recombinant Mouse Leucine-rich repeat transmembrane neuronal protein 4 (Lrrtm4), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Lrrtm4 recombinant protein 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Lrrtm4. It may not necessarily be applicable to this product.

NCBI GI #	197927164
NCBI GeneID	243499
NCBI Accession #	NP_001128215.1

UniProt Primary Accession #	Q80XG9
UniProt Secondary Accession #	Q8C030; Q8JZS8
UniProt Related Accession #	Q80XG9
GenBank Nucleotide #	NM_001134743.1
NCBI Official Full Name	leucine-rich repeat transmembrane neuronal protein 4 isoform 3
NCBI Official Synonym Full Names	leucine rich repeat transmembrane neuronal 4
NCBI Official Symbol	Lrrtm4
NCBI Official Synonym Symbols	A230052N11; 7530419J18Rik
UniProt Protein Name	Leucine-rich repeat transmembrane neuronal protein 4
Protein Family	Leucine-rich repeat transmembrane neuronal protein
UniProt Gene Name	Lrrtm4
NCBI Protein Information	leucine-rich repeat transmembrane neuronal protein 4
UniProt Comments for Lrrtm4	May play a role in the development and maintenance of the vertebrate nervous system. Exhibits strong synaptogenic activity, restricted to excitatory presynaptic differentiation ().
Research Articles on Lrrtm4	**1.** This study demonstrated that LRRTM4-HSPG complex mediates excitatory synapse development on dentate gyrus granule cells.
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