# Leucine-Rich Repeat Transmembrane Neuronal Protein 3 (LRRTM3) Human Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Leucine-rich repeat transmembrane neuronal protein 3 (LRRTM3), Recombinant Protein |
| **Full Product Name** | Recombinant Human Leucine-rich repeat transmembrane neuronal protein 3 (LRRTM3), partial |
| **Product Gene Name** | LRRTM3 recombinant protein |
| **Product Synonym Gene Name** | LRRTM3 |
| **Sequence** | ERGCPKGCRC EGKMVYCESQ KLQEIPSSIS AGCLGLSLRY NSLQKLKYNQ FKGLNQLTWL YLDHNHISNI DENAFNGIRR LKELILSSNR ISYFLNNTFR PVTNLRNLDL SYNQLHSLGS EQFRGLRKLL SLHLRSNSLR TIPVRIFQDC RNLELLDLGY NRIRSLARNV FAGMIRLKEL HLEHNQFSKL NLALFPRLVS LQNLYLQWNK ISVIGQTMSW TWSSLQRLDL SGNEIEAFSG PSVFQCVPNL QRLNLDSNKL TFIGQEILDS WISLNDISLA GNIWECSRNI CSLVNWLKSF KGLRENTIIC ASPKELQGVN VIDAVKNYSI CGKSTTERFD LARALPKPTF KPKLPRPKHE SKPPLPPTVG ATEPGPETDA DAEHISFHK |
| **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** | 58,267 Da |
| **Sequence Positions** | 31-419 |
| **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. |
| **OMIM** | 610869 |
| **3D Structure** | ModBase 3D Structure for Q86VH5 |
| **Species** | Human |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for LRRTM3 recombinant protein** | MBS1385669 is a recombinant protein targeting LRRTM3. Also known as Recombinant Human Leucine-rich repeat transmembrane neuronal protein 3 (LRRTM3), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of LRRTM3 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 LRRTM3. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 109809759 |
| **NCBI GeneID** | 347731 |

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| **NCBI Accession #** | NP_821079.3 |
| **UniProt Primary Accession #** | Q86VH5 |
| **UniProt Secondary Accession #** | Q2NKX7; Q6N0A3; A8K2A3 |
| **UniProt Related Accession #** | Q86VH5 |
| **GenBank Nucleotide #** | NM_178011.4 |
| **NCBI Official Full Name** | leucine-rich repeat transmembrane neuronal protein 3 |
| **NCBI Official Synonym Full Names** | leucine rich repeat transmembrane neuronal 3 |
| **NCBI Official Symbol** | LRRTM3 |
| **UniProt Protein Name** | Leucine-rich repeat transmembrane neuronal protein 3 |
| **Protein Family** | Leucine-rich repeat transmembrane neuronal protein |
| **UniProt Gene Name** | LRRTM3 |
| **NCBI Protein Information** | leucine-rich repeat transmembrane neuronal protein 3 |
| **UniProt Comments for LRRTM3** | Exhibits a limited synaptogenic activity in vitro, restricted to excitatory presynaptic differentiation (). May play a role in the development and maintenance of the vertebrate nervous system. |
| **Research Articles on LRRTM3** | **1.** LRRTM3 polymorphisms may play a role in the pathogenesis of late-onset Alzheimer's disease (LOAD) in a Northern Han Chinese population. |
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