# SLIT and NTRK-Like Protein 2 (SLITRK2) Human Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | SLIT and NTRK-like protein 2 (SLITRK2), Recombinant Protein |
| **Full Product Name** | Recombinant Human SLIT and NTRK-like protein 2 (SLITRK2), partial |
| **Product Gene Name** | SLITRK2 recombinant protein |
| **Product Synonym Gene Name** | SLITRK2 |
| **Sequence** | RKTAKDICK IRCLCEEKEN VLNINCENKG FTTVSLLQPP QYRIYQLFLN GNLLTRLYPN EFVNYSNAVT LHLGNNGLQE IRTGAFSGLK TLKRLHLNNN KLEILREDTF LGLESLEYLQ ADYNYISAIE AGAFSKLNKL KVLILNDNLL LSLPSNVFRF VLLTHLDLRG NRLKVMPFAG VLEHIGGIME IQLEENPWNC TCDLLPLKAW LDTITVFVGE IVCETPFRLH GKDVTQLTRQ DLCPRKSASD SSQRGSHADT HVQRLSPTMN PALNPTRAPK ASRPPKMRNR PTPRVTVSKD RQSFGPIMVY QTKSPVPLTC PSSCVCTSQS SDNGLNVNCQ ERKFTNISDL QPKPTSPKKL YLTGNYLQTV YKNDLLEYSS LDLLHLGNNR IAVIQEGAFT NLTSLRRLYL NGNYLEVLYP SMFDGLQSLQ YLYLEYNVIK EIKPLTFDAL INLQLLFLNN NLLRSLPDNI FGGTALTRLN LRNNHFSHLP VKGVLDQLPA FIQIDLQENP WDCTCDIMGL KDWTEHANSP VIINEVTCES PAKHAGEILK FLGREAICPD SPNLSDGTVL SMNHNTDTPR SLSVSPSSYP ELHTEVPLSV L |
| **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** | 82,695 Da |
| **Sequence Positions** | 22-621 |
| **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** | 300561 |
| **3D Structure** | ModBase 3D Structure for Q9H156 |
| **Species** | Human |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for SLITRK2 recombinant protein** | MBS1473720 is a recombinant protein targeting SLITRK2. Also known as Recombinant Human SLIT and NTRK-like protein 2 (SLITRK2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of SLITRK2 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 SLITRK2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 221136957 |

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| **NCBI GeneID** | 84631 |
| **NCBI Accession #** | NP_001137475.1 |
| **UniProt Primary Accession #** | Q9H156 |
| **UniProt Secondary Accession #** | Q2KHN3; Q5JXB1; Q8NBC7; Q96JH3; A8K117 |
| **UniProt Related Accession #** | Q9H156 |
| **GenBank Nucleotide #** | NM_001144003.2 |
| **NCBI Official Full Name** | SLIT and NTRK-like protein 2 |
| **NCBI Official Synonym Full Names** | SLIT and NTRK like family member 2 |
| **NCBI Official Symbol** | SLITRK2 |
| **NCBI Official Synonym Symbols** | CXorf1; CXorf2; SLITL1; TMEM257 |
| **UniProt Protein Name** | SLIT and NTRK-like protein 2 |
| **Protein Family** | SLIT and NTRK-like protein |
| **UniProt Gene Name** | SLITRK2 |
| **UniProt Synonym Gene Names** | CXorf2; KIAA1854; SLITL1 |
| **NCBI Protein Information** | SLIT and NTRK-like protein 2 |
| **NCBI Summary for SLITRK2** | This gene encodes an integral membrane protein that contains two N-terminal leucine-rich repeats domains and contains C-terminal regions similar to neurotrophin receptors. The encoded protein may play a role in modulating neurite activity. Alternatively spliced transcript variants encoding the same protein have been described.[provided by RefSeq, Feb 2010] |
| **UniProt Comments for SLITRK2** | It is involved in synaptogenesis and promotes excitatory synapse differentiation (PubMed:27273464, PubMed:27812321). Suppresses neurite outgrowth (). |
| **Research Articles on SLITRK2** | **1.** Observational study of gene-disease association. (HuGE Navigator) |
| **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. |
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