# Ankyrin Repeat and Protein Kinase Domain-Containing Protein 1 (ANKK1) Mouse Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ankyrin repeat and protein kinase domain-containing protein 1 (Ankk1), Recombinant Protein |
| **Full Product Name** | Recombinant Mouse Ankyrin repeat and protein kinase domain-containing protein 1 (Ankk1) |
| **Product Gene Name** | Ankk1 recombinant protein |
| **Product Synonym Gene Name** | Ankk1 |
| **Sequence** | MVPHRARRLL NPMAVGPLAQ QLGSLTVFTR DDFEEEWHLV ASGGFSKVFQ ARHKRWRTQY AIKCSPCLQK ETTSSEVTCL FEEAVKMEKI KFQHIVSIYG VCKQPLGIVM EFMASGSLEK TLPTHSLCWP LKLRIIHETS LAMNFLHSIK PPLLHLDLKP GNILLDNNMH VKISDFGLSK WMEQSTQKQY IERSALRGTL SYIPPEMFLE NNKAPGPEYD VYSFAIVIWE ILTQKKPYAG LNMMTIIIRV AAGMRPSLQD VSDEWPEEVH QMVNLMKRCW DQDPKKRPCF LNVAVETDML LSLFQSPMTD PGCEALTQKV SCKPSLSQPH KVSKEVNQEI ADSVSSDSLK WILQLSDSKS LVASDVYENR VTPLHFLVAG GSLEQVRLLL SHDVDVDCQT ASGYTPLLIA TQDQQPDLCA LLLAHGADTN LADEDGWAPL HFAAQNGDDH TARLLLDHGA LVNAREHEGW TPLHLAAQNN FENVARLLVS RQADLSPHEA EGKTPLHVAA YFGHIGLVKL LSGQGAELDA QQRNLRTPLH LAVERGKVRA IQHLLKCGAL PDALDHSGYS PLHIAAARGK DLIFKMLLRY GASLELRTQQ GWTPLHLATY KGHLEIIHQL AKSHVDLDAL GSMQWTPLHL AAFQGEEGVM LALLQCGANP NAAEQSGWTP LHLAVHKGTF LGITHLLEYG ADIHACNKVG WTPAHLAALK GNTAILKVLV KAAAQVDVKG GVSCTPLQLA IHSPK |
| **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** | 82,480 Da |
| **Sequence Positions** | 1-745, Full length protein |
| **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 Q8BZ25 |
| **Species** | Mouse |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Ankk1 recombinant protein** | This protein belongs to the Ser<br>Thr protein kinase family, and protein kinase superfamily involved in signal transduction pathways. This gene is closely linked to DRD2 gene (GeneID:1813) on chr 11, and a well studied restriction fragment length polymorphism (RFLP) designated TaqIA, was originally associated with the DRD2 gene, however, later was determined to be located in exon 8 of ANKK1 gene (PMIDs: 18621654, 15146457), where it causes a nonconservative amino acid substitution. It is not clear if this gene plays any role in neuropsychiatric disorders previously associated with Taq1A RFLP. |
| **Other Notes** | Small volumes of Ankk1 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. |

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| **Searchable Terms for Ankk1 purchase** | MBS1333249 is a recombinant protein targeting Ankk1. Also known as Recombinant Mouse Ankyrin repeat and protein kinase domain-containing protein 1 (Ankk1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ankk1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 27370420 |
| **NCBI GeneID** | 244859 |
| **NCBI Accession #** | NP_766510.1 |
| **UniProt Primary Accession #** | Q8BZ25 |
| **UniProt Related Accession #** | Q8BZ25 |
| **GenBank Nucleotide #** | NM_172922.3 |
| **NCBI Official Full Name** | ankyrin repeat and protein kinase domain-containing protein 1 |
| **NCBI Official Synonym Full Names** | ankyrin repeat and kinase domain containing 1 |
| **NCBI Official Symbol** | Ankk1 |
| **NCBI Official Synonym Symbols** | 9930020N01Rik |
| **UniProt Protein Name** | Ankyrin repeat and protein kinase domain-containing protein 1 |
| **Protein Family** | Ankyrin repeat and protein kinase domain-containing protein |
| **UniProt Gene Name** | Ankk1 |
| **NCBI Protein Information** | ankyrin repeat and protein kinase domain-containing protein 1 |
| **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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