Ankyrin Repeat Domain-Containing Protein 23 (ANKRD23) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ankyrin repeat domain-containing protein 23 (Ankrd23), Recombinant Protein
Full Product Name	Recombinant Mouse Ankyrin repeat domain-containing protein 23 (Ankrd23)
Product Gene Name	Ankrd23 recombinant protein
Product Synonym Gene Name	Ankrd23
Sequence	MDFISIEQLV SGERVDRKAL EFGRGVPDPG GWPSGWTLGP QEAVAREKLK LEEEKRKKLE RFNSSRLTLD NLTDLENLVQ RRRKKRQRHK VPPREPESGA EPQPQVPLEP VGLEMFLKAA AENQEALIDK YLADGGDPNA HDKLHRTALH WACLKGHRQL VNKLLAAGAA IEVRDLLDRT PVFWACRGGH LDILKRLLNQ GAQVNAQDKI WSTPLHVAVR MGHSDCLEHL IECGAHINAQ DKEGDTALHE AVRYGHHKAT KLLLLYGAKL GVKNVASQTP VQLARDWQRG IRDALQAHVG HPRTRC
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	34,348 Da
Sequence Positions	1-306, 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 Q812A3
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ankrd23 recombinant protein	This gene is a member of the muscle ankyrin repeat protein (MARP) family and encodes a protein with four tandem ankyrin-like repeats. The protein is localized to the nucleus, functioning as a transcriptional regulator. Expression of this protein is induced during recovery following starvation.
Other Notes	Small volumes of Ankrd23 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.
Searchable Terms for Ankrd23 purchase	MBS1356612 is a recombinant protein targeting Ankrd23. Also known as Recombinant Mouse Ankyrin repeat domain-containing protein 23 (Ankrd23). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ankrd23. It may not necessarily be applicable to this product.

NCBI GI #	887225350
NCBI GeneID	78321

NCBI Accession #	NP_001297450.1
UniProt Primary Accession #	Q812A3
UniProt Related Accession #	Q812A3
GenBank Nucleotide #	NM_001310521.1
NCBI Official Full Name	ankyrin repeat domain-containing protein 23 isoform 2
NCBI Official Synonym Full Names	ankyrin repeat domain 23
NCBI Official Symbol	Ankrd23
NCBI Official Synonym Symbols	Darp; MARP3; AI853437; 1110058D09Rik; 2310041C05Rik
UniProt Protein Name	Ankyrin repeat domain-containing protein 23
UniProt Synonym Protein Names	Diabetes-related ankyrin repeat protein
Protein Family	Ankyrin repeat domain-containing protein
UniProt Gene Name	Ankrd23
UniProt Synonym Gene Names	Darp
NCBI Protein Information	ankyrin repeat domain-containing protein 23
UniProt Comments for Ankrd23	May be involved in the energy metabolism. Could be a molecular link between myofibrillar stretch-induced signaling pathways and muscle gene expression.
Research Articles on Ankrd23	**1.** Ankrd23(-/-) mice exhibit limited ability to form collateral arteries following femoral artery occlusion compared to WT mice. Further research will be required to determine whether Ankrd23 plays an important role in mechanically induced vascular remodeling of the arterial tree in skeletal muscle.
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