Probable E3 Ubiquitin-Protein Ligase Makorin-2 (mkrn2) Xenopus Tropicalis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable E3 ubiquitin-protein ligase makorin-2 (mkrn2), Recombinant Protein
Full Product Name	Recombinant Xenopus tropicalis Probable E3 ubiquitin-protein ligase makorin-2 (mkrn2)
Product Gene Name	mkrn2 recombinant protein
Product Synonym Gene Name	mkrn2
Sequence	MNTKHVTCRY FLHGVCREGG RCLFSHDLAT SKPSTVCRFY QRGQCAYGAR CRYDHVKPCN GSVFYPPQEM APAPLESTPP LLPTQEAAAP VTKSAPQRRE KKSVVLRDRD LCGASVEKAH PDPALRPGCA ADPPVSELEA KPHSYLEAIC TGLDETPIPS AYPDAPQQLC PFAQAGGCHY GESCPYIHGN VCEICGLQVL HPYDQEQRGH HEKLCMANFE RDMERAFAFQ ASEGKVCSIC MERVYDKQSP SERRFGILSN CHHTYCLACI RQWRCARQFE NPVIKSCPEC RVISEFVIPS AYWVEDQSKK FELIEAFKQG MGKKACKYFD QGRGTCPFGG KCLYLHAYPD GTRAEPEKPR KQLGSEGTVR FLNSVRLWDF IEEREQRNLP DAEDEVAELG ELFMHLSGVG EEPPAASN
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	46,881 Da
Sequence Positions	1-418, 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 Q6GLD9
Species	Xenopus tropicalis (Western clawed frog) (Silurana tropicalis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mkrn2 recombinant protein	MBS1322659 is a recombinant protein targeting mkrn2. Also known as Recombinant Xenopus tropicalis Probable E3 ubiquitin-protein ligase makorin-2 (mkrn2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mkrn2 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 mkrn2. It may not necessarily be applicable to this product.

NCBI GI #	53749704
NCBI GeneID	448038
NCBI Accession #	NP_001005447.1

UniProt Primary Accession #	Q6GLD9
UniProt Related Accession #	Q6GLD9
GenBank Nucleotide #	NM_001005447.1
NCBI Official Full Name	probable E3 ubiquitin-protein ligase makorin-2
NCBI Official Synonym Full Names	makorin ring finger protein 2
NCBI Official Symbol	mkrn2
NCBI Official Synonym Symbols	rnf62; Makorin-2
UniProt Protein Name	Probable E3 ubiquitin-protein ligase makorin-2
UniProt Synonym Protein Names	RING-type E3 ubiquitin transferase makorin-2Curated
Protein Family	Probable E3 ubiquitin-protein ligase makorin
UniProt Gene Name	mkrn2
NCBI Protein Information	probable E3 ubiquitin-protein ligase makorin-2
UniProt Comments for mkrn2	E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. Inhibits neurogenesis and axis formation during embryonic development by modulating the phosphatidylinositol 3-kinase (PI3K) pathway. Acts downstream of PI3K and akt1 to up-regulate gsk3b mRNA expression.
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