Prickle-Like Protein 3 (PRICKLE3) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Prickle-like protein 3 (Prickle3), Recombinant Protein
Full Product Name	Recombinant Mouse Prickle-like protein 3 (Prickle3)
Product Gene Name	Prickle3 recombinant protein
Product Synonym Gene Name	Prickle3
Sequence	MFARGSRRRR SGRAPPEAED PARGQPCNSC REQCPGFLLH GWRKICQHCK CPREEHAVRT VPVDLERIMC RLISDFQRHS ISDDDSGCAS EEYAWVPPGL KPEQVYQFFS CLPEDKVPYV NSPGEKYRIK QLLHQLPPHD SEAQYCTALE EEEKKELRAF SQQRKRENLG RATVRIFPVT ITGAICEECG KQIGGGDIAV FASRAGLGAC WHPQCFVCTT CQELLVDLIY FYHAGKVYCG RHHAECLRPR CQACDEIIFS PECTEAEGRH WHMGHFCCFE CEASLGGQRY VMRQSRPHCC ACYEARHAEY CDGCGEHIGL DQGQMAYEGQ HWHASDRCFC CSRCSRPLLG RPFLPRRGLI FCSRACSLGS ETTAPGPGRR SWSAGTVTTP LTTSTASFSA TEGTSETASK GTCTKAEPAA GPEEPSHFLR GAPHRHSMPE LGLRSAPEPP TESPGHPAPH PDDNAFGRQS TPRVSFRDPL VSEGGPRRTL SAPPAQRRRP RSPPPRTPSC HHHHHHRRRR QRHRRRGSHH HHHHPGRHGH HRCDLGSGSD SGSCSSSPSS PSSESSEDDG FFLGERIPLP PHLCRPRTTQ DTSTETFNSP AQPLVQESHP VMPRQTRDKN CIVA
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	69,727 Da
Sequence Positions	1-624, 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 Q80VL3
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Prickle3 recombinant protein	LIM domain only 6 is a three LIM domain-containing protein. The LIM domain is a cysteine-rich sequence motif that binds zinc atoms to form a specific protein-binding interface for protein-protein interactions.
Other Notes	Small volumes of Prickle3 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 Prickle3 purchase	MBS1308381 is a recombinant protein targeting Prickle3. Also known as Recombinant Mouse Prickle-like protein 3 (Prickle3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Prickle3. It may not necessarily be applicable to this product.

NCBI GI #	594591526

NCBI GeneID	54630
NCBI Accession #	NP_001277553.1
UniProt Primary Accession #	Q80VL3
UniProt Secondary Accession #	Q8CAY9; B1AVA9
UniProt Related Accession #	Q80VL3
GenBank Nucleotide #	NM_001290624.1
NCBI Official Full Name	prickle planar cell polarity protein 3
NCBI Official Synonym Full Names	prickle planar cell polarity protein 3
NCBI Official Symbol	Prickle3
NCBI Official Synonym Symbols	Pk3; Lmo6; Sfc16
UniProt Protein Name	Prickle planar cell polarity protein 3
UniProt Synonym Protein Names	LIM domain only protein 6; LMO-6; Prickle-like protein 3; Pk3Curated; Triple LIM domain protein 6
Protein Family	Prickle-like protein
UniProt Gene Name	Prickle3
UniProt Synonym Gene Names	LMO-6; Pk3Curated
NCBI Protein Information	prickle planar cell polarity protein 3; prickle-like protein 3
UniProt Comments for Prickle3	Involved in the planar cell polarity (PCP) pathway that is essential for the polarization of epithelial cells during morphogenetic processes, including gastrulation and neurulation (). PCP is maintained by two molecular modules, the global and the core modules, PRICKLE3 being part of the core module (). Distinct complexes of the core module segregate to opposite sides of the cell, where they interact with the opposite complex in the neighboring cell at or near the adherents junctions (). Involved in the organization of the basal body (). Involved in cilia growth and positioning ().
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