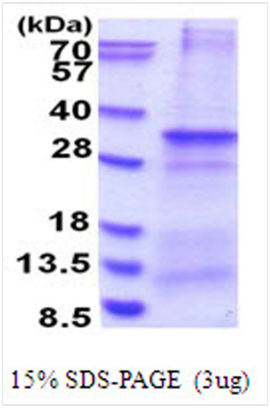
CNPY4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	CNPY4, Recombinant Protein
Full Product Name	CNPY4, 22-248aa, Human, His tag, E Coli
Product Gene Name	CNPY4 recombinant protein
Product Synonym Names	protein canopy homolog 4; PRAT4B
Sequence	MGSSHHHHHH SSGLVPRGSH MGSEFGMLKE EDDDTERLPS KCEVCKLLST ELQAELSRTG RSREVLELGQ VLDTGKRKRH VPYSVSETRL EEALENLCER ILDYSVHAER KGSLRYAKGQ SQTMATLKGL VQKGVKVDLG IPLELWDEPS VEVTYLKKQC ETMLEEFEDI VGDWYFHHQE QPLQNFLCEG HVLPAAETAC LQETWTGKEI TDGEEKTEGE EEQEEEEEEE EEEGGDKMTK TGSHPKLDRE DL
Host	E Coli
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 5mM DTT, 2mM EDTA
Purity/Purification	> 85% by SDS-PAGE
Concentration	0.25 mg/ml (determined by Bradford assay) (lot specific)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.
Molecular Weight	28.6kDa (252aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
OMIM	AY359100 mRNA
3D Structure	ModBase 3D Structure for Q8N129
Antigen Species	Human
Tag Information	His-tag
Product Categories/Family for CNPY4 recombinant protein	Immunology
Applications Tested/Suitable for CNPY4 recombinant protein	SDS-PAGE
Related Product Information for CNPY4 recombinant protein	CNPY4 belongs to the canopy family and contains 1 saposin B-type domain. This protein plays a role in the regulation of the cell surface expression of TLR4. Recombinant human CNPY4, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product References and Citations for CNPY4 recombinant protein	Hart,B.E., et al. (2012) J. Biol. Chem. 287 (20), 16550-16562 ; Konno,K., et al. (2006) Biochem. Biophys. Res. Commun. 339 (4), 1076-1082;
Other Notes	Small volumes of CNPY4 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 CNPY4 purchase	MBS205617 is a recombinant protein targeting CNPY4. Also known as CNPY4, 22-248aa, Human, His tag, E Coli. Host: E Coli.



SDS-Page of CNPY4 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CNPY4. It may not necessarily be applicable to this product.

NCBI GI #	22749479
NCBI GeneID	245812
NCBI Accession #	NP_689968
UniProt Primary Accession #	Q8N129
UniProt Secondary Accession #	Q8WUN9
UniProt Related Accession #	Q8N129
GenBank Nucleotide #	NM_152755.1
NCBI Official Full Name	protein canopy homolog 4
NCBI Official Synonym Full Names	canopy FGF signaling regulator 4
NCBI Official Symbol	CNPY4
NCBI Official Synonym Symbols	PRAT4B
UniProt Protein Name	Protein canopy homolog 4
Protein Family	Protein canopy
UniProt Gene Name	CNPY4
NCBI Protein Information	protein canopy homolog 4
UniProt Comments for CNPY4	Plays a role in the regulation of the cell surface expression of TLR4.
Research Articles on CNPY4	**1.** a mechanism for the differential trafficking of TLR1 I602S variants, and highlight the distinct roles for PRAT4A and PRAT4B in the regulation of TLR1 surface expression.
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