Nephrocystin-3 (nphp3) Xenopus Tropicalis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nephrocystin-3 (nphp3), Recombinant Protein
Full Product Name	Recombinant Xenopus tropicalis Nephrocystin-3 (nphp3), partial
Product Gene Name	nphp3 recombinant protein
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	149,727 Da
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 A0JM23
Species	Xenopus tropicalis (Western clawed frog) (Silurana tropicalis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nphp3 recombinant protein	MBS1252514 is a recombinant protein targeting nphp3. Also known as Recombinant Xenopus tropicalis Nephrocystin-3 (nphp3), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nphp3 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 nphp3. It may not necessarily be applicable to this product.

NCBI GI #	344313191
NCBI GeneID	780190
NCBI Accession #	NP_001072733.2
UniProt Primary Accession #	A0JM23
UniProt Related Accession #	A0JM23
GenBank Nucleotide #	NM_001079265.2
NCBI Official Full Name	nephrocystin-3
NCBI Official Synonym Full Names	nephronophthisis 3 (adolescent)
NCBI Official Symbol	nphp3
NCBI Official Synonym Symbols	nph3

UniProt Protein Name	Nephrocystin-3
Protein Family	Nephrocystin
UniProt Gene Name	nphp3
NCBI Protein Information	nephrocystin-3
UniProt Comments for nphp3	Required for normal ciliary development and function. Inhibits disheveled-1-induced canonical Wnt-signaling activity and may also play a role in the control of non-canonical Wnt signaling that regulates planar cell polarity. Probably acts as a molecular switch between different Wnt signaling pathways. Required for proper convergent extension cell movements ().
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