Outer Dense Fiber Protein 2 (ODF2) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Outer dense fiber protein 2 (ODF2), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Outer dense fiber protein 2 (ODF2), partial
Product Gene Name	ODF2 recombinant protein
Product Synonym Gene Name	ODF2
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	77,941 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 Q5R829
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ODF2 recombinant protein	MBS1340978 is a recombinant protein targeting ODF2. Also known as Recombinant Pongo abelii Outer dense fiber protein 2 (ODF2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ODF2 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 ODF2. It may not necessarily be applicable to this product.

NCBI GI #	197097326
NCBI GeneID	100173182
NCBI Accession #	NP_001126214.1
UniProt Primary Accession #	Q5R829
UniProt Related Accession #	Q5R829
GenBank Nucleotide #	NM_001132742.1
NCBI Official Full Name	outer dense fiber protein 2
NCBI Official Symbol	ODF2
UniProt Protein Name	Outer dense fiber protein 2

UniProt Synonym Protein Names	Cenexin; Outer dense fiber of sperm tails protein 2
Protein Family	Outer dense fiber protein
UniProt Gene Name	ODF2
NCBI Protein Information	outer dense fiber protein 2
UniProt Comments for ODF2	Seems to be a major component of sperm tail outer dense fibers (ODF). ODFs are filamentous structures located on the outside of the axoneme in the midpiece and principal piece of the mammalian sperm tail and may help to maintain the passive elastic structures and elastic recoil of the sperm tail. May have a modulating influence on sperm motility. Functions as a general scaffold protein that is specifically localized at the distal/subdistal appendages of mother centrioles. Component of the centrosome matrix required for the localization of PLK1 and NIN to the centrosomes. Required for the formation and/or maintenance of normal CETN1 assembly ().
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