ODF2 Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	ODF2, Blocking Peptide
Full Product Name	ODF2 Immunizing Peptide
Product Gene Name	ODF2 blocking peptide
Product Synonym Names	ODF2; outer dense fiber of sperm tails 2; CT134; FLJ44866; MGC111096; MGC9034; ODF2/1; ODF2/2; ODF84; OTTHUMP00000022276; cancer/testis antigen 134; cenexin 1; outer dense fiber of sperm tails protein 2; outer dense fiber of sperm tails, 84-kD; outer dens
Sequence	C-REKHQASQ KENKQ
Species Reactivity	Human, Mouse, Rat, Dog, Pig
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	ODF2 peptide (MBS427747) is used for blocking the activity of ODF2 antibody (MBS422638)
Molecular Weight	75,691 Da
OMIM	602015
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for ODF2 blocking peptide	MBS427747 is a blocking peptide targeting ODF2. Also known as ODF2 Immunizing Peptide. Reactive in Human, Mouse, Rat, Dog, Pig.
Other Notes	Small volumes of ODF2 blocking peptide 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 #	24430181
NCBI GeneID	4957
NCBI Accession #	NP_002531.3
NCBI Related Accession #	NP_702915.1
UniProt Secondary Accession #	O14721; O60631; Q1W2J6; Q6UN26; Q7Z5I6; B1AND3; B4DRK4; B4DX73; B4DZ02; E7EWL2; F5H6J4
UniProt Related Accession #	Q5BJF6
GenBank Nucleotide #	NM_002540.4
NCBI Official Full Name	outer dense fiber protein 2 isoform 9
NCBI Official Synonym Full Names	outer dense fiber of sperm tails 2
NCBI Official Symbol	ODF2
NCBI Official Synonym Symbols	CT134; ODF84; ODF2/1; ODF2/2
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
UniProt Entry Name	ODFP2_HUMAN
NCBI Protein Information	outer dense fiber protein 2
NCBI Summary for ODF2	The outer dense fibers are cytoskeletal structures that surround the axoneme in the middle piece and principal piece of the sperm tail. The fibers function in maintaining the elastic structure and recoil of the sperm tail as well as in protecting the tail from shear forces during epididymal transport and ejaculation. Defects in the outer dense fibers lead to abnormal sperm morphology and infertility. This gene encodes one of the major outer dense fiber proteins. Alternative splicing results in multiple transcript variants. The longer transcripts, also known as 'Cenexins', encode proteins with a C-terminal extension that are differentially targeted to somatic centrioles and thought to be crucial for the formation of microtubule organizing centers. [provided by RefSeq, Oct 2010]
UniProt Comments for ODF2	ODF2: a protein of unknown function. Protein type: Cancer Testis Antigen (CTA); Cytoskeletal Chromosomal Location of Human Ortholog: 9q34.11 Cellular Component: centriole; centrosome; cytosol; microtubule; nucleus; outer dense fiber; spindle pole Molecular Function: protein binding; Rab GTPase binding; structural molecule activity Biological Process: G2/M transition of mitotic cell cycle; multicellular organismal development; spermatid development
Research Articles on ODF2	**1.** Cby plays an important role in organization of both primary and motile cilia in collaboration with Cnx.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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