Cation Channel Sperm-Associated Protein Subunit Gamma (CATSPERG) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cation channel sperm-associated protein subunit gamma (CATSPERG), Recombinant Protein
Full Product Name	Recombinant Human Cation channel sperm-associated protein subunit gamma (CATSPERG) , partial
Product Gene Name	CATSPERG recombinant protein
Product Synonym Gene Name	CATSPERG
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	133,032 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.
OMIM	613452
3D Structure	ModBase 3D Structure for Q6ZRH7
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CATSPERG recombinant protein	MBS1398968 is a recombinant protein targeting CATSPERG. Also known as Recombinant Human Cation channel sperm-associated protein subunit gamma (CATSPERG) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CATSPERG 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 CATSPERG. It may not necessarily be applicable to this product.

NCBI GI #	187761334
NCBI GeneID	57828
NCBI Accession #	NP_067008.3
UniProt Primary Accession #	Q6ZRH7
UniProt Secondary Accession #	Q659E1; A6NEG6
UniProt Related Accession #	Q6ZRH7

GenBank Nucleotide #	NM_021185.4
NCBI Official Full Name	cation channel sperm-associated protein subunit gamma isoform 1
NCBI Official Synonym Full Names	cation channel sperm associated auxiliary subunit gamma
NCBI Official Symbol	CATSPERG
NCBI Official Synonym Symbols	C19orf15
UniProt Protein Name	Cation channel sperm-associated protein subunit gamma
Protein Family	Cation channel sperm-associated protein
UniProt Gene Name	CATSPERG
UniProt Synonym Gene Names	C19orf15
NCBI Protein Information	cation channel sperm-associated protein subunit gamma
NCBI Summary for CATSPERG	CATSPERG is a subunit of the CATSPER (see CATSPER1; MIM 606389) sperm calcium channel, which is required for sperm hyperactivated motility and male fertility (Wang et al., 2009 [PubMed 19516020]).[supplied by OMIM, Jul 2010]
UniProt Comments for CATSPERG	Probably involved in sperm cell hyperactivation via its association with CATSPER1. Sperm cell hyperactivation is needed for sperm motility which is essential late in the preparation of sperm for fertilization.
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