Putative Transferase CAF17, Mitochondrial (IBA57) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative transferase CAF17, mitochondrial (IBA57), Recombinant Protein
Full Product Name	Recombinant Human Putative transferase CAF17, mitochondrial (IBA57)
Product Gene Name	IBA57 recombinant protein
Product Synonym Gene Name	IBA57
Sequence	GDPTAGAAWA CFRLDGRTLL RVRGPDAAPF LLGLLTNELP LPSPAAAGAP PAARAGYAHF LNVQGRTLYD VILYGLQEHS EVSGFLLECD SSVQGALQKH LALYRIRRKV TVEPHPELRV WAVLPSSPEA CGAASLQERA GAAAILIRDP RTARMGWRLL TQDEGPALVP GGRLGDLWDY HQHRYLQGVP EGVRDLPPGV ALPLESNLAF MNGVSFTKGC YIGQELTART HHMGVIRKRL FPVRFLDPLP TSGITPGATV LTASGQTVGK FRAGQGNVGL ALLWSEKIKG PLHIRASEGA QVALAASVPD WWPTVSK
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	38,155 Da
Sequence Positions	40-356, Full length protein
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	615316
3D Structure	ModBase 3D Structure for Q5T440
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IBA57 recombinant protein	MBS1319199 is a recombinant protein targeting IBA57. Also known as Recombinant Human Putative transferase CAF17, mitochondrial (IBA57). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of IBA57 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 IBA57. It may not necessarily be applicable to this product.

NCBI GI #	58197556
NCBI GeneID	200205
NCBI Accession #	NP_001010867.1
UniProt Primary Accession #	Q5T440

UniProt Related Accession #	Q5T440
GenBank Nucleotide #	NM_001010867.3
NCBI Official Full Name	putative transferase CAF17, mitochondrial isoform 1
NCBI Official Synonym Full Names	IBA57, iron-sulfur cluster assembly
NCBI Official Symbol	IBA57
NCBI Official Synonym Symbols	MMDS3; SPG74; C1orf69
UniProt Protein Name	Putative transferase CAF17, mitochondrial
UniProt Synonym Protein Names	Iron-sulfur cluster assembly factor homolog
UniProt Gene Name	IBA57
UniProt Synonym Gene Names	C1orf69
NCBI Protein Information	putative transferase CAF17, mitochondrial
NCBI Summary for IBA57	The protein encoded by this gene localizes to the mitochondrion and is part of the iron-sulfur cluster assembly pathway. The encoded protein functions late in the biosynthesis of mitochondrial 4Fe-4S proteins. Defects in this gene have been associated with autosomal recessive spastic paraplegia-74 and with multiple mitochondrial dysfunctions syndrome-3. Two transcript variants encoding different isoforms have been found for this gene. The smaller isoform is not likely to be localized to the mitochondrion since it lacks the amino-terminal transit peptide. [provided by RefSeq, Jul 2015]
UniProt Comments for IBA57	Involved in the maturation of mitochondrial 4Fe-4S proteins functioning late in the iron-sulfur cluster assembly pathway.
Research Articles on IBA57	**1.** Description of four unrelated patients carrying novel mutations in IBA57; study expands the array of the genotypic variation of IBA57 and delineates the leukodystrophic pattern of IBA57 deficient patients
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