Charged Multivesicular Body Protein 2b (CHMP2B) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	Charged multivesicular body protein 2b (CHMP2B), Recombinant Protein
Full Product Name	Recombinant Chicken Charged multivesicular body protein 2b (CHMP2B)
Product Gene Name	CHMP2B recombinant protein
Product Synonym Gene Name	CHMP2B
Sequence	MASLFKKKTV DDIIKEQNRE LRGTQRTITR DRAALEKQER QLELEIKKMA KTGNKEACKV LAKQLVQLRK QKNRTYAVSS KVTSMSTQTK VMNSQMKMAG AMSTTAKTMQ AVNKKMDPQK TLQTMQNFQK ENMKMEMTEE MINDTLDDIF DASDEEEESQ DIVNQVLDEI GIEISGKMAK APSAARGLPS ASTSKASTIS DEEIERQLKA LGVD
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	24,060 Da
Sequence Positions	1-214, 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.
3D Structure	ModBase 3D Structure for Q5F3A2
Species	Chicken
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CHMP2B recombinant protein	This gene encodes a component of the heteromeric ESCRT-III complex (Endosomal Sorting Complex Required for Transport III) that functions in the recycling or degradation of cell surface receptors. ESCRT-III functions in the concentration and invagination of ubiquitinated endosomal cargos into intralumenal vesicles. This protein is found as a monomer in the cytosol or as an oligomer in ESCRT-III complexes on endosomal membranes. It is expressed in neurons of all major regions of the brain. Mutations in this gene result in one form of familial frontotemporal lobar degeneration.
Other Notes	Small volumes of CHMP2B 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.
Searchable Terms for CHMP2B purchase	MBS1436976 is a recombinant protein targeting CHMP2B. Also known as Recombinant Chicken Charged multivesicular body protein 2b (CHMP2B). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHMP2B. It may not necessarily be applicable to this product.

NCBI GI #	71896763

NCBI GeneID	418461
NCBI Accession #	NP_001025963.1
UniProt Primary Accession #	Q5F3A2
UniProt Related Accession #	Q5F3A2
GenBank Nucleotide #	NM_001030792.2
NCBI Official Full Name	charged multivesicular body protein 2b
NCBI Official Synonym Full Names	charged multivesicular body protein 2B
NCBI Official Symbol	CHMP2B
UniProt Protein Name	Charged multivesicular body protein 2b
UniProt Synonym Protein Names	Chromatin-modifying protein 2b; CHMP2b
Protein Family	Charged multivesicular body protein
UniProt Gene Name	CHMP2B
UniProt Synonym Gene Names	CHMP2b
NCBI Protein Information	charged multivesicular body protein 2b
UniProt Comments for CHMP2B	Probable core component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids ().
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