

Recombinant Human CHMP2B

Cat. No. CHMP2B-27996TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein corresponding to amino acids 1-213 of Human CHMP2B with a propeitrary tag; predicted mwt: 49.06 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	213 amino acids
Description	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 intraluminal vesicles. The protein encoded by this gene 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.
Molecular Weight	49.060kDa inclusive of tags
Tissue specificity	Widely expressed. Expressed in brain, heart, skeletal muscle, spleen, kidney, liver, small intestine, pancreas, lung, placenta and leukocytes. In brain, it is expressed in cerebellum, cerebral cortex, medulla, spinal chord, occipital lobe, frontal lobe, t
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MASLFKKKTVDVVIKEQNREL RGTQRAIIRDRAALEKQEKQLELEIKKMAKIGNKEAC KVLAKQLVHLRKQKTRTFVSSKVTSMSTQTKVMNSQMKMAGAMSTTAKTMQAVN KKMDPQKTLQTMQNFQKENMKMEMTEEMINDTLDDIFDGSDDEEESQDIVNQLVDE IGIEISGKMAKAPSAARSLPSASTSKATISDEEIERQLKALGVD
Sequence Similarities	Belongs to the SNF7 family.

GENE INFORMATION

Gene Name	CHMP2B charged multivesicular body protein 2B [Homo sapiens]
Official Symbol	CHMP2B
Synonyms	CHMP2B; charged multivesicular body protein 2B; chromatin modifying protein 2B; charged multivesicular body protein 2b; CHMP2.5; DKFZP564O123; VPS2 homolog B (S. cerevisiae); VPS2B;
Gene ID	25978
mRNA Refseq	NM_001244644
Protein Refseq	NP_001231573

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Uniprot ID	Q9UQN3
Chromosome Location	3p12.1
Pathway	ESCRT-III complex, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Endosomal Sorting Complex Required For Transport (ESCRT), organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;
Function	protein domain specific binding;

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