Recombinant Human CHMP2B, His-tagged

Cat. No. CHMP2B-27997TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CHMP2B with N terminal His tag; 223 amino acids with tag, Predicted MWt 26.1 kDa.
Species	Human
Source	E.coli
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 intralumenal 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.
Conjugation	HIS
Molecular Weight	26.100kDa 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

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Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:10% Glycerol, 0.32% Tris HCl, 0.02% DTT, 0.58% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMASLFKKKTVDDVIKEQNRELRGTQRAIIRDRAALE KQEKQLELEIKKMAKIGNKEACKVLAKQLVHLRKQKTRTFAVSSKVTSMSTQTKVMN SQMKMAGAMSTTAKTMQAVNKKMDPQKTLQTMQNFQKENMKMEMTEEMINDTLD DIFDGSDDEEESQDIVNQVLDEIGIEISGKMAKAPSAARSLPSASTSKATISDEEIERQ LKALGVD
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

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mRNA Refseq	NM_001244644
Protein Refseq	NP_001231573
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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