

## Product datasheet for PH301532

### CHMP2B (NM\_014043) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CHMP2B MS Standard C13 and N15-labeled recombinant protein (NP_054762)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201532
Predicted MW:	23.7 kDa
Protein Sequence:	>RC201532 representing NM_014043 Red=Cloning site Green=Tags(s)  MASLFKKKTVDDVIKEQNRELRGTQRRAIIRDRAALEKQEKQLELEIKKMAKIGNKEACKVLAKQLVHLRK QKTRTFAYSSKVTSMSTQTKVMNSQMKMAGAMSTTAKTMQAVNKKMDPQKTLQTMQNFQKENMKMEMTEE MINDTLDDIFDGSDEEESQDIVNQVLDEIGIEISGKMAKAPSAARSLPSASTSKATISDEEIERQLKAL GVD  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_054762</a>
RefSeq Size:	2410
RefSeq ORF:	639
Synonyms:	ALS17; CHMP2.5; DMT1; FTDALS7; VPS2-2; VPS2B
Locus ID:	25978
UniProt ID:	<a href="#">Q9UQN3</a> , <a href="#">B2RE76</a>



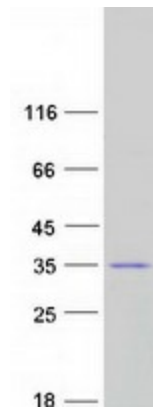
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**Cytogenetics:** 3p11.2

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Pathways:** Endocytosis

**Product images:**



Coomassie blue staining of purified CHMP2B protein (Cat# [TP301532]). The protein was produced from HEK293T cells transfected with CHMP2B cDNA clone (Cat# [RC201532]) using MegaTran 2.0 (Cat# [TT210002]).