

Product datasheet for **SC330215**

CHMP2B (NM_001244644) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CHMP2B (NM_001244644) Human Untagged Clone
Tag: Tag Free
Symbol: CHMP2B
Synonyms: ALS17; CHMP2.5; DMT1; FTDALS7; VPS2-2; VPS2B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC330215 representing NM_001244644.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAATTAGAAATTAAGAAAATGGCCAAGATTGGTAATAAGGAAGCTTGCAAAGTTTTAGCCAAACAA
CTTGTCATCTACGAAACAGAAGACGAGAAGCTTTGCTGTAAGTTCAAAGTTACTTCTATGTCTACA
CAAACAAAAGTGATGAATCCCAAATGAAGATGGCTGGAGCAATGTCTACTACAGCAAAAACAATGCAG
GCAGTTAAACAAGAAGATGGATCCACAAAAGACATTACAAACAATGCAGAATTTCCAGAAGGAAAACATG
AAAATGGAAATGACTGAAGAAATGATCAATGATACACTTGATGACATCTTGACGGTTCTGATGACGAA
GAAGAAAGCCAGGATATTGTGAATCAAGTTCTTGATGAAATTGGAATTTCTGGAAGATGGCC
AAAGCTCCATCAGCTGCTCGAAGCTTACCATCTGCCTCTACTTCAAAGGCTACAATCTCAGATGAAGAG
ATTGAACGGCAACTCAAGCTTTAGGAGTAGATTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001244644
Insert Size: 519 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



[View online »](#)

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001244644.1
RefSeq Size:	2551 bp
RefSeq ORF:	519 bp
Locus ID:	25978
UniProt ID:	Q9UQN3
Cytogenetics:	3p11.2
Protein Pathways:	Endocytosis
MW:	19.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 5' coding region, compared to variant 1. The resulting predicted protein (isoform 2) is shorter when it is compared to isoform 1.</p>