

## Product datasheet for **RG231958**

### CHMP2B (NM\_001244644) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CHMP2B (NM\_001244644) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CHMP2B  
**Synonyms:** ALS17; CHMP2.5; DMT1; FTDALS7; VPS2-2; VPS2B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231958 representing NM\_001244644  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAATTAGAAATTAAGAAAAATGGCCAAGATTGGTAATAAGGAAGCTTGCAAAGTTTTAGCCAAACAAC  
TTGTGCATCTACGGAAACAGAAGACGAGAATTTTGTCTGAAGTTCAAAAGTTACTTCTATGTCTACACA  
AACAAAAGTGATGAATCCCAAATGAAGATGGCTGGAGCAATGTCTACTACAGCAAAAACAATGCAGGCA  
GTTAACAAAGAAGATGGATCCACAAAAGACATTACAACAATGCAGAAATTCAGAAAGGAAAACATGAAAA  
TGGAAATGACTGAAGAAATGATCAATGATACACTTGATGACATCTTTGACGGTTCTGATGACGAAGAAGA  
AAGCCAGGATATTGTGAATCAAGTTCTTGATGAAATTGGAATTGAAATTTCTGGAAAGATGGCCAAAGCT  
CCATCAGCTGCTCGAAGCTTACCATCTGCCTCTACTTCAAAGGCTACAATCTCAGATGAAGAGATTGAAC  
GGCAACTCAAGGCTTTAGGAGTAGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231958 representing NM\_001244644  
Red=Cloning site Green=Tags(s)

MELEIKKMAKIGNKEACKVLAKQLVHLRKQKTRTFVAVSSKVTSMSTQTKVMNSQMKMAGAMSTTAKTMQA  
VNKKMDPQKTLQTMQNFQKENMKMEMTEEMINDTLDDIFDGSDDDEESQDIVNQVLDEIGIEISGKMAKA  
PSAARSLPSASTSKATISDEEIERQLKALGVD

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001244644.2</a></u>
<b>RefSeq Size:</b>	2551 bp
<b>RefSeq ORF:</b>	519 bp
<b>Locus ID:</b>	25978
<b>UniProt ID:</b>	<u><a href="#">Q9UQN3</a></u>
<b>Cytogenetics:</b>	3p11.2
<b>Protein Pathways:</b>	Endocytosis
<b>Gene Summary:</b>	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]