

Product datasheet for **RC231958**

CHMP2B (NM_001244644) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CHMP2B (NM_001244644) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CHMP2B
Synonyms: ALS17; CHMP2.5; DMT1; FTDALS7; VPS2-2; VPS2B
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231958 representing NM_001244644
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATTAGAAATTAAGAAAATGGCCAAGATTGGTAATAAGGAAGCTTGCAAAGTTTTAGCCAAACAAC
TTGTGCATCTACGAAACAGAAGACGAGAAGCTTTTCTGTAAGTTCAAAGTTACTTCTATGTCTACACA
AACAAAAGTGATGAATCCCAAATGAAGATGGCTGGAGCAATGTCTACTACAGCAAAAACAATGCAGGCA
GTTAACAAGAAGATGGATCCACAAAAGACATTACAACAATGCAGAATTTCCAGAAGGAAAACATGAAAA
TGGAAATGACTGAAGAAATGATCAATGATACACTTGTATGACATCTTTGACGGTTCTGATGACGAAGAAGA
AAGCCAGGATATTGTGAATCAAGTTCTTGTATGAAATTGGAATTGAAATTTCTGAAAAGATGGCCAAAGCT
CCATCAGCTGCTCGAAGCTTACCATCTGCCTCTACTTCAAAGGCTACAATCTCAGATGAAGAGATTGAAC
GGCAACTCAAGGCTTTAGGAGTAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231958 representing NM_001244644
Red=Cloning site Green=Tags(s)

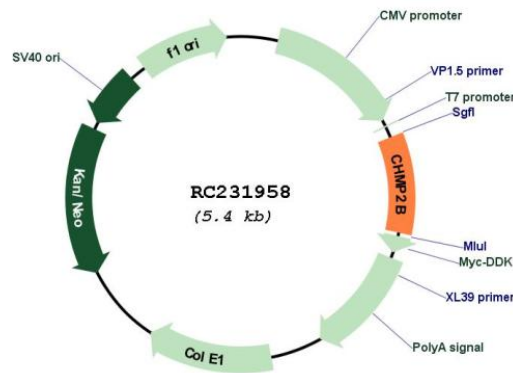
MELEIKKMAKIGNKEACKVLAKQLVHLRKQKTRTFVSSKVTSMSTQTKVMNSQMKMAGAMSTTAKTMQA
VNKKMDPQKTLQTMQNFQKENMKMEMTEEMINDLDDIFDGSDDDEESQDIVNQVLDEIGIEISGKMAKA
PSAARSLPSASTSKATISDEEIERQLKALGVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001244644

ORF Size: 516 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001244644.2
RefSeq Size:	2551 bp
RefSeq ORF:	519 bp
Locus ID:	25978
UniProt ID:	Q9UQN3
Cytogenetics:	3p11.2
Protein Pathways:	Endocytosis
MW:	19.5 kDa
Gene 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]