

Product datasheet for **SC115190**

CHMP2B (NM_014043) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHMP2B (NM_014043) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHMP2B
Synonyms:	ALS17; CHMP2.5; DMT1; FTDALS7; VPS2-2; VPS2B
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014043, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCCCTCTTCAAGAAGAAAACCGTGGATGATGTAATAAAGGAACAGAATCGAGAGTTACGAGGTA  
CACAGAGGGCTATAATCAGAGATCGAGCAGCTTTAGAGAAACAAGAAAAACAGCTGGAATTAGAAATTA  
GAAAATGGCCAAGATTGGTAATAAGGAAGCTTGCAAAGTTTTAGCCAAACAACCTGTGCATCTACGGAAA  
CAGAAGACGAGAACTTTTGCTGTAAGTTCAAAAGTTACTTCTATGTCTACACAAAACAAAAGTGATGAATT  
CCCAAATGAAGATGGCTGGAGCAATGTCTACTACAGCAAAAACAATGCAGGCAGTTAACAAGAAGATGGA  
TCCACAAAAGACATTACAAACAATGCAGAATTTCCAGAAGGAAAACATGAAAATGGAAATGACTGAAGAA  
ATGATCAATGATACACTTGATGACATCTTTGACGGTCTGATGACGAAGAAGAAAGCCAGGATATTGTGA  
ATCAAGTCTTGATGAAATTGGAATTGAAATTTCTGAAAGATGGCCAAAGCTCCATCAGCTGCTCGAAG  
CTTACCATCTGCCTCTACTTCAAAGGCTACAATCTCAGATGAAGAGATTGAACGGCAACTCAAGGCTTTA  
GGAGTAGATTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014043 unedited
 GTCAGAATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGGTTCCCGGT
 ACCTGAGCTCCGGGTGACGCGGCTGCGGTAGCTGCGNGAACAAAGCCTTCCGCGGGTCTG
 CCTGGCGACCCCGACCTCCTCTGTCTCTCCGCTCCGCCACCCCGAACCCGCCAAGG
 TCCTGTCTTTTCTCTGTCTTTGCCAGCGTTGGGCCGGACCGGGCCGAGCCGGGCCG
 CCCGGGCGCAGTCTTTAACCATGGCGTCCCTCTTCAAGAAGAAAACCGTGATGATGTA
 TAAAGGAACAGAATCGAGAGTTACGAGGTACACAGAGGGCTATAATCAGAGATCGAGCAG
 CTTTAGAGAAAACAAGAAAACAGCTGGAATTAGAAATTAAGAAAATGGCCAAGATTGGTA
 ATAAGGAAGCTTGCAAAGTTTTAGCCAAAACAATTGTGCATCTACGAAAACAGAAGCGA
 GAACTTTTGTGTAAGTTCAAAAGTTACTTCTATGTCTACACAAAACAAAAGTGATGAATT
 CCCAAATGAAGATGGCTGGAGCAATGTCTACCACAGCAAAAACAATGCAGGCAGTTAACA
 AGAAGATGGATCCACAAAAGACATTACAAAACAATGCAGAATTTCCAGAAGGAAAACATGA
 AAATGGAAATGACTGAAGAAATGATCAATGATACACTTGATGACATCTTTGACGGTTCTG
 ATGACGAAGAAGAAAGCCAGGATATTGTGAATCAAGTTCTTGATGAAATTGGAATTNGAA
 ATTCTGGAAAGATGCCAAAGCTCCATCAGCTGCTCGAAGCTTACCATCTGCCTCTACGTC
 ANAGGGCTACATCTCAGATGAAGAGAATGAACGGCACTCAGGNNCTTTAGAGTAGTATAG
 TCAAAAGAGTCATACTATT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014043 unedited
 AGCTATGGACCGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGCAAAAAC
 ATGTGTTTTGTAAAAAATCTGCACTGTGCTTGGTTTATACTACATAATTATAAGTAAG
 CAAAATAGTATGACTTCTTTGACTAATCTACTCCTAAAGCCTTGAGTTGCCGTTCAATC
 TCTTCATCTGAGATTGTAGCCTTTGACGTAGAGGCAGATGGTAAGCTTCGAGCAGCTGAT
 GGAGCTTTGGCCATCTTTCCAGAAATTTCAATTCATCAAGAATTGATTACACA
 ATATCCTGGCTTTCTTCTCGTCATCAGAACCGTCAAAGATGTCATCAAGTGTATCATTG
 ATCATTCTTCAGTCATTTCCATTTTCATGTTTTCTTCTGGAAATTCGCAATTGTTTGT
 AATGTCTTTTGTGGATCCATCTTCTTGAAGTGCCTGCATTGTTTTGTGTGGTAGAC
 ATTGCTCCAGCCATCTTCATTTGGGAATTCATCACTTTTGTGTTGTAGACATAGAAGTA
 ACTTTTGAAGTTACAGCAAAAGTTCTCGTCTTCTGTTTCCGTAGATGCACAAGTTGTTT
 GCTAAAAGTTTGAAGCTTCTTATTACCAATCTTGGCCATTTTCTTAATTTCTAATTCC
 AGCTGTTTTTCTGTTTCTTAAAGCTGCTCGATCTCTGATTATAGCCCTCTGTGTACCT
 CGTAACTCTCGATTCTGTTCCTTATTACATCATCCACGGGTTTCTTCTGAAGAGGGAC
 GCCATGGTTAAAGACCTGCGCCGGGCGGCCGGCTCGGNCCGGTCCCGCCCAACCGCTGC
 AAGGGACAGAGAAAAGGACAGGACCTGNCGGGNTCGGGGTGCGNNNACGAAAACNNNCAG
 AGAGTCGGGTCCCAGCCAGACGCCGAAGGCTGTTTCCACTACCGANNCCGTACCCGAGC
 TAGTGACGGAC

Restriction Sites:

NotI-NotI

ACCN:

NM_014043

Insert Size:

890 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).

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_014043.2 , NP_054762.2
RefSeq Size:	2410 bp
RefSeq ORF:	642 bp
Locus ID:	25978
UniProt ID:	Q9UQN3
Cytogenetics:	3p11.2
Domains:	DUF279
Protein Pathways:	Endocytosis
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 (1) represents the longer transcript and it encodes the longer protein (isoform 1).</p>