

Product datasheet for MC210823

Chmp2b (NM_026879) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Chmp2b (NM_026879) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Chmp2b
 Synonyms: 1190006E07Rik
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC210823 representing NM_026879
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTCCCTCTCAAGAAGAAGACTGTGGACGATGTCATAAAGGAACAGAATCGAGAGCTGCGTGCCA
 CCCAGAGGGCCATCATCAGGGACCGAGCAGCCTTAGAGAAACAGGAGAAACAGCTGGAGTTAGAAATTA
 GAAGATGGCCAAGATTGGTAATAAGGAAGCGTGCAGGGTTTTAGCTAAGCAGCTTGCCACCTACGGAAA
 CAGAAGACAAGAACGTTGCTGTAAAGCTCAAAGTCACCTCTATGTCCACACAAAACGAAAGTGATGAATT
 CCCAGATGAAGATGGCCGGTGCCATGTCTACCACTGCAAAGACAATGCAAGCAGTCAACAAGAAAATGGA
 TCCACAGAAGACTACAAACAATGCAGAAATTTCCAGAAGGAAAACATGAAAATGGAAATGACTGAAGAA
 ATGATCAATGACACCCTGGATGACATCTTTGATGGCTCTGATGATGAAGAAGAAAGCCAGGACATCGTGA
 ATCAAGTTCTTGATGAAATTGGGATTGAAATCTCTGAAAAGATGGCCAAAGCTCCATCGGCTGCAAGAAG
 CTTACCGTCTGCCTCCACTTCAAAGGCTACAATTTCTGATGAAGAGATTGAACGTCAACTCAAAGCTTTA
 GGGGTAGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_026879
 Insert Size: 642 bp



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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_026879.2 , NP_081155.1
RefSeq Size:	1838 bp
RefSeq ORF:	642 bp
Locus ID:	68942
UniProt ID:	Q8BJF9
Cytogenetics:	16 C1.3
Gene Summary:	Probable core component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. The MVB pathway appears to require the sequential function of ESCRT-O, -I, -II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis. ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4 (By similarity).[UniProtKB/Swiss-Prot Function]