

Product datasheet for **SC127309**

CHMP1B (NM_020412) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHMP1B (NM_020412) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHMP1B
Synonyms:	C10orf2; C18-ORF2; C18orf2; CHMP1.5; hVps46-2; Vps46-2; Vps46B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020412, the custom clone sequence may differ by one or more nucleotides

```
ATGTCTAACATGGAGAAACACCTGTTCAACCTGAAGTTCGCGGCCAAAGAAGCTGAGTAGGAGTGCCAAAA
AATGCGATAAGGAGGAAAAGGCCGAAAAGGCCAAAATTAAGGCCATTGAGAAGGCAACATGGAAGT
TGCGAGGATACACGCCGAAAATGCCATCCGCCAGAAGAACCAGGCGGTGAATTTCTTGAGAATGAGTGCG
CGAGTCGATGCAGTGGCTGCCAGGGTCCAGACGGCGGTGACGATGGGCAAGGTGACCAAGTCGATGGCTG
GTGTGGTTAAGTCGATGGATGCGACATTGAAGACCATGAATCTGGAGAAGATTTCTGCTTTGATGGACAA
ATTCGAGCACCAGTTTGAGACTCTGGACGTCAGACGCAGCAAATGGAAGACACGATGAGCAGCAGCAGC
ACGCTCACCCTCCCGAACAAGTGGATATGCTGCTCCAGGAAATGGCAGATGAGGCGGGCCTCGACC
TCAACATGGAGCTGCCGAGGGCCAGACCGGCTCCGTGGGCACGAGCGTGGCTTCGGCGGAGCAGGATGA
ACTGTCTCAGAGACTGGCCCGCCTTCGGGATCAAGTGTGA
```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020412 unedited CGTATTTGTATACGACNACTATAGGCGGCACGCGAATTCGCACCATAAACAAAGGACGGC GGCCGGGAGCGGACTTACCTTACCTTCTCTGCCTTCGGCGCGCTTCTCATCCGGGCGCC GACCCAAAGGAGCCGTCGACTATGTCTAACATGGAGAAACACCTGTTCAACCTGAAGTT CGCGGCCAAAGAAGTGAAGTAGGAGTGCCAAAAATGCGATAAGGAGGAAAAGGCCGAAAA GGCCAAAATTAAGGCCATTCAGAAAGGCAACATGGAAGTTGCGAGGATACACGCCGA AAATGCCATCCGCCAGAAGAACCAGGCGGTGAATTTCTTGAGAATGAGTGCGCGAGTCGA TGCAAGTGGCTGCCAGGGTCCAGACGCGGTGACGATGGGCAAGGTGACCAAGTCGATGGC TGGTGTGGTTAAGTCGATGGATGCGACATTGAAGACCATGAATCTGGAGAAGATTCTGCG TTTGATGGACAAATTCGAGCACCAGTTTGAGACTCTGGACGTCCAGACGCAGCATATGGA AGACACGATGAGCAGCAGCAGCAGCTCACCCTCCCAATAACCAAGTGGATATGCTGCT CCAGGAAATGGCAGATGATGCGGGCTCGACCTCAACATGGAGCTGCCGCATGGCCAGAC CGGCTCCGTGGGACGATCGTGGCTTCNGCGGAGCAGGATGAACTGTCTCATAGACTGGC CCGNTTCGGGATCAAGTGTGACGGCAGAACCCTCTGATGTTTCTGGCCATAGCCAC CCTCTAGAAATGCTCTCTGTGTGCTAGAGAGATACTATACCCTAGAACTCTGAACACGCC AGAATGCTGAAATGCCCTTCTACCTTTTGGNTTACAGCCCCCTACTAANTNANNGAAT CAGTATTCTGCACTCTTANCTGGATTCTAAGCTCTGATAGCTCGAATGGATGATTTNAT AGCAGCCTTTAACAGACTAGTAATTNCGNGTTATGAA
Restriction Sites:	NotI-NotI
ACCN:	NM_020412
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_020412.3 , NP_065145.2
RefSeq Size:	1290 bp
RefSeq ORF:	600 bp
Locus ID:	57132
UniProt ID:	Q7LBR1
Cytogenetics:	18p11.21
Domains:	DUF279
Protein Families:	Druggable Genome

Protein Pathways: Endocytosis

Gene Summary: CHMP1B belongs to the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. These proteins are components of ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and formation of endocytic multivesicular bodies (MVBs). Some CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP, CHMP1A (MIM 164010), is required for both MVB formation and regulation of cell cycle progression (Tsang et al., 2006 [PubMed 16730941]).[supplied by OMIM, Mar 2008]