

Product datasheet for **SC114291**

CHMP5 (NM_016410) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHMP5 (NM_016410) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHMP5
Synonyms:	C9orf83; CGI-34; HSPC177; PNAS-2; SNF7DC2; Vps60
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114291 sequence for NM_016410 edited (data generated by NextGen Sequencing)

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ATGAACCGACTCTTCGGGAAAGCGAAACCCAAGGCTCCGCCGCCAGCCTGACTGACTGC
ATTGGCACGGTGGACAGTAGAGCAGAATCCATTGACAAGAAGATTCTCGATTGGATGCT
GAGCTAGTGAAGTATAAGGATCAGATCAAGAAGATGAGAGAGGGTCTGCAAAGAATATG
GTCAAGCAGAAAGCCTTGCGAGTTTTAAAGCAAAAGAGGATGTATGAGCAGCAGCGGGAC
AATCTTGCCCAACAGTCATTCAACATGGAACAAGCCAATTATACCATCCAGTCTTTGAAG
GACACCAAGACCACGGTTGATGCTATGAACTGGGAGTAAAGGAAATGAAGAAGGCATAC
AAGCAAGTGAAGATCGACCAGATTGAGGATTTACAAGACCAGCTAGAGGATATGATGGAA
GATGCAAATGAAATCCAAGAAGCACTGAGTCGCAGTTATGGCACCCAGAACTGGATGAA
GATGATTTAGAAGCAGAGTTGGATGCACTAGGTGATGAGCTTCTGGCTGATGAAGACAGT
TCTTATTTGGATGAGGCAGCATCTGCACCTGCAATCCAGAAGGTGTCCCACTGATACA
AAAACAAGGATGGAGTTCTGGTGGATGAATTTGGATTGCCACAGATCCCTGCTTCATAG
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Clone variation with respect to NM_016410.5



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016410 unedited</p> <pre>TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTGGGTTTCTTCGCGGC TGCTCAAGATGAACCGACTCTTCGGGAAAGCGAAACCAAGGCTCCGCCGCCAGCTGA CTGACTGCATTGGCACGGTGGACAGTAGAGCAGAATCCATTGACAAGAAGATTTCTCGAT TGGATGCTGAGCTAGTGAAGTATAAGGATCAGATCAAGAAGATGAGAGAGGGTCTGCAA AGAATATGGTCAAGCAGAAAGCCTTGCGAGTTTTAAAGCAAAAGAGGATGTATGAGCAGC AGCGGGACAATCTTGCCCAACAGTCATTCAACATGGAACAAGCCAATTATACCATCCAGT CTTTGAAGGACACCAAGACCACGGTTGATGCTATGAAACTGGGAGTAAAGGAAATGAAGA AGGCATACAAGCAAGTGAAGATCGACCAGATTGAGGATTTACAAGACCAGCTAGAGGATA TGATGGAAGATGCAAAATGAAATCCAAGAAGCACTGAGTCGCAGTTATGGCACCCAGAAC TGGATGAAGATGATTTAGAAGCAGAGTTGGATGCACTAGGTGATGAGCTTCTGGCTGATG AAGACAGTTCTTATTTGGATGANGCAGCATCTGCACCTGCAATCCAGAAGGTGTTCCCA CTGATACAAAAACAAGGATGGAGTTCTGGTGGATGAATNTGGATTGCCACAGATCCCTG CTTCATAGATNTGCATCATTCAAGCATATCTTGTAAAACAACACATATTATGGGACTANG AAAATATTATCTTNCANNTTGCATACAGATTTAGGGTTCTTTTCTTTCTTTGAAG GAAAGTTAANTACATTGCTCTTTNATTTTTCCATTAAGAGACTCATTGCTGGNGAAATGC TTTCTCGNACTAAATTTGATCCTTNNNTTCTATGANNAACGACTCATNTNAAN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016410 unedited</p> <pre>NNTTTTACTCTGGACCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTCT TTTGAAAAATTTATTGAGTATAAATAAATGCCTATACATTAATCAAGAAATATTC ATAATTGATTACAAGTCAAGATGAATACTGAGGGAACCATAGAATCAAATACCCACTC ATGATACAGTAGTATAATTCCATTCCAATAATGGACACAGTAACGACTTGTTACAAGA CACAACAAAACCCATCAAAAAGGCCATCACTTTAACCAACCTATAATACCACAATAGAAA ATGATTCTGAATCATAATATGAACAGCCCAATAATCTCATCTTTGTCTTATCAATTTAT CAGGTCATTTTGAGACTGTAGAGTTACTGTCTAGACTTTTAAGATCCATTTCTTA GTTTTATTTCAAATTTATTAATGAATGAAAACAAGTCATACGAGCTAAAAATACTTTT AAACTGAGTTCGTTTTTCATAAGAAAAAAGGAATCAAATTTTAGTACGAAGAAAGCATT TCCAAGCAATGAGTCTTAAATGGAATAAAGAGCAATGTAATTAACCTTCTT CAAAGAAAAGAAAACCTAAATCTGTTATGGCAAATTTGAAAAGATAAATATTTCTTA GTCCCATAATATGTGTTTGTTTACAAGATATGCTTGAATGATGCAAATCTATGAAGCAG GGATCTGTGGCAATCCAATTCATCCACCAGAATCCATCCTTGTTTTTGTATCAGTGG GAACACCTTCTGGAATTGCAGGTGCAGATGCTGCCTCATCCAAATAAGACTGTCNTCATC AGCCAGAAGCTCATCACCTAGTGCATNCAACTCTGCTTCTAATCATCTTCATCCAGTTCT GGGGTGCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016410
Insert Size:	1340 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_016410.2 , NP_057494.2
RefSeq Size:	1434 bp
RefSeq ORF:	660 bp
Locus ID:	51510
UniProt ID:	Q9NZZ3
Cytogenetics:	9p13.3
Domains:	DUF279
Protein Pathways:	Endocytosis
Gene Summary:	<p>CHMP5 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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>