

Product datasheet for **SC124538**

CHMP2A (NM_198426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHMP2A (NM_198426) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHMP2A
Synonyms:	BC-2; BC2; CHMP2; VPS2; VPS2A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124538 sequence for NM_198426 edited (data generated by NextGen Sequencing)

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ATGGACCTATTGTTCTGGGCGCCGGAAGACGCCAGAGGAGCTACTGCGGCAGAACCAGAGG
GCCCTGAACCGTGCCATGCGGGAGCTGGACCGCGAGCGACAGAACTAGAGACCCAGGAG
AAGAAAATCATTGCAGACATTAAGAAGATGGCCAAGCAAGGCCAGATGGATGCTGTTTCGC
ATCATGGCAAAAGACTTGGTGCACCCGGCGCTATGTGCGCAAGTTTGTATTGATGCGG
GCCAACATCCAGGCTGTGTCCCTCAAGATCCAGACACTCAAGTCCAACAACCTCGATGGCA
CAAGCCATGAAGGGTGTCAACCAAGGCCATGGGCACCATGAACAGACAGCTGAAGTTGCC
CAGATCCAGAAGATCATGATGGAGTTTGTAGCGGCAGGCAGAGATCATGGATATGAAGGAG
GAGATGATGAATGATGCCATTGATGATGCCATGGGTGATGAGGAAGATGAAGAGGAGAGT
GATGCTGTGGTGTCCCAGTTCTGGATGAGCTGGGACTTAGCCTAACAGATGAGCTGTCCG
AACCTCCCCTCAACTGGGGGCTCGCTTAGTGTGGCTGCTGGTGGGAAAAAAGCAGAGGCC
GCAGCCTCAGCCCTAGCTGATGTGATGCAGACCTGGAGGAACGGCTTAAGAACCTGCGG
AGGGACTGA
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Clone variation with respect to NM_198426.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198426 unedited ACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCCTTAGTTGGTGGGCAAGTCGG GGATCCCAGAAAGAGAAGCGTGACCCGGAAGCGGAAACGGGTGTCCGTCCCAGCTCCGGC CTGCCAGTGAGCTTCTACCATCATGGACCTATTGTTCCGGCGCCGGAAGACGCCAGAGGA GCTACTGCGGCAGAACCCAGAGGGCCCTGAACCGTGCCATGCGGGAGCTGGACCCGCGAGCG ACAGAACTAGAGACCCAGGAGAAGAAAATCATTGCAGACATTAAGAAGATGGCCAAGCA AGGCCAGATGGATGCTGTTCCGCATCATGGCAAAAGACTTGGTGGCACCCTGGCGCTATGT GCGCAAGTTTGTATTGATGCGGGCCAACATCCAGGCTGTGTCCCTCAAGATCCAGACACT CAAGTCCAACAACCTCGATGGCACAAAGCCATGAAGGGTGTACCAAGGCCATGGGCACCAT GAACAGACAGCTGAAGTTGCCCCAGATCCAGAAGATCATGATGGAGTTTGAGCGGCAGGC AGAGATCATGGATATGAAGGAGGAGATGATGAATGATGCCATTGATGATGCCATGGGTGA TGAGGAAGATGAAGAGGAGAGTGATGCTGTGGTGTCCCAGTTCTGGATGAGCTGGGACT TANCCTACAGATGAGCTGTGCAACCTCCCCTACTGGGGGCTCGTTAGTGTGGTGCTG GTGGGAAAAAGCANAGCCCGCACCTCAGCTAGCTGATGCTGATGCAGACCTGGNAGAAA CGCTTAGAACCTGCGAGNACTGANTGCCCTGCCACTCGAGATACCAGTGGATGCCNCA GATCTTNTACCACANCCCTCTGTATAAAAGAGATTGACACTAAAAAAAAAAAAAAAAACTC ACTCTGTATGCGGCGGGTCTAGCTGTTCTGAAAAAACCGTTGATCCCTGGACCTCCCA GGCT
Restriction Sites:	NotI-NotI
ACCN:	NM_198426
Insert Size:	1500 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_198426.1 , NP_940818.1
RefSeq Size:	928 bp
RefSeq ORF:	669 bp
Locus ID:	27243
UniProt ID:	O43633
Cytogenetics:	19q13.43
Protein Pathways:	Endocytosis

Gene Summary:

CHMP2A 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]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.