

Product datasheet for SC122460

CHMP4C (BC014321) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHMP4C (BC014321) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHMP4C
Synonyms:	chromatin modifying protein 4C; MGC108776; Shax3; Snf7 homologue associated with Alix 3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC014321 edited

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GGGGGAAATGCCCTGGAGTGTGTGTACCTGTCCAGGACGACTTGTGATTCCCAGGAG
GGCCGCCTTTCCGGTCTGGGTCCCCGAGAGGACTGCCTTGCTCACCTGTCCCCTCGGCGC
GGCCCCGGGGAGCTCCCGAGAGGCCCGGGATCGCTGGCCCTCCGAACGCCACAGCAAT
GAGCAAGTTGGGCAAGTTCTTTAAAGGGGGCGGCTCTTCTAAGAGCCGAGCCGCTCCAG
TCCCCAGGAGGCCCTGGTCCGACTTCGGGAGACTGAGGAGATGCTGGCAAGAAACAAGA
GTACCTGGAAAATCGAATCCAGAGAGAAATCGCCCTGGCCAAGAAGCACGGCACGCAGAA
TAAGCGAGCTGCATTACAGGCACTAAAGAGAAAGAAGAGGTTTCGAGAAACAGCTCACTCA
GATTGATGGCACACTTTCTACCATTGAGTTCAGAGAGAAGCCCTGGAGAACTCACACAC
CAACACTGAGGTGTTGAGGAACATGGGCTTTGCAGCAAAAGCGATGAAATCTGTTTCATGA
AAACATGGATCTGAACAAAATAGATGATTTGATGCAAGAGATCACAGAGCAACAGGATAT
CGCCCAAGAAATCTCAGAAGCATTCTCAACGGGTTGGCTTTGGTGATGACTTTGATGA
GGATGAGTTGATGGCAGAACTTGAAGAATTGGAACAGGAGGAATTAATAAGAAGATGAC
AAATATCCGCCTTCCAAATGTGCCTTCTTCTCTCCAGCACAGCCAAATAGAAAACC
AGGCATGTCGTCCACTGCACGTGCATCCCGAGCAGCATCTTCCAGAGGGCAGAGAAGA
GGATGATGATATCAACAATTGGCAGCTTGGGCTACCTAACTAAACACATTTTGGATA
CCTAAATTAATGAGCTATAGATAAAATATAAAAAATGTTTTACCAAGTTCAGAAGTAA
CAAAGACTCTGCTTTATAATTATATTGAATGAATAATTGTGTTTTAAGCTCCTAAGTAA
AAGTAAAAAAGGAGTCATGTGCATACATAGAATCAGTGATGGAGGCCAGGCACGGTATCT
CATGCCTATAATCCAGCACTTTGGGAGGCTGAGGCAGTTGAGACCAGGAGTTTCGAGTCC
AGCCTGACCAACATGAAGAAACCCTGTCTGTACTAAAAATCCAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC014321 unedited <pre> GGGACTAGGATTTGTNATNACGACTTTACTATAGGCGGCCGCGCAATTCGCCATTACGG CCGGGGGGAAATGCCCTGGAGTGTGTGTACCTGTCCAGGACGACTTGTGATTCCCAGG AGGGCCGCCTTTCCGGTCTGGGTCCCCGAGAGGACTGCCTTGCTCACCTGTCCCCTCGGC GCGGCCCCGGGGAGCTCCCGAGAGGCCCGGGATCGCTGGCCCTCCGAATCCACAGCA ATGAGCAAGTTGGGCAAGTTCTTTAAAGGGGGCGGCTCTTCTAAGAGCCGAGCCGCTCCC AGTCCCCAGGAGGCCCTGGTCCGACTTCGGGAGACTGAGGAGATGCTGGGCAAGAAACAA AGGTACCTGGAAAATCGAATCCAGAGAGAAATCGCCCTGGCCAAGAAGCACGGCACGCAG AATAAGCGAGCTGCATTACAGGCACTAAAGAGAAAGAAGAGGTTGAGAAAACAGTCACT CAGATTGATGGCACACTTTCTACCATTGAGTTCCAGAGAGAAGCCCTGGAGAACTCACAC ACCAACACTGAGGTGTTGAGGAACATGGGCTTTGCAGCAAAAGCGATGAAATCTGTTTAT GAAAACATGGATCTGAACAAAATAGATGATTTGATGCAAGAGATCACAGAGCAACAGGAT ATCGCCCAAGAGATCTCAGAAGCATTTTCTCAACGGGTGGGCTTTGGTGATGACTTTGA TGAGGATGAGTTGATGGCAGAACTGCAGAATTGGACAGGGGGGATTNAATAAGGAGATG ACAAATATCCGCCTGCCAAATGTGCCTTTCTCTTTCTCCAACACAGGCAATAGAAAAA CCAGGCATGTCTGCTCACTGCCCGTCAATCCCGATCAGCATTCTTCAAAGGCCAGAGAGAA GGTTGATAAATCAACAATTGC </pre>
Restriction Sites:	Please inquire
ACCN:	BC014321
Insert Size:	1212 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:	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:	BC014321.1 , AAH14321.1
RefSeq Size:	1212 bp
Locus ID:	92421
Cytogenetics:	8q21.13
Protein Pathways:	Endocytosis

Gene Summary:

CHMP4C 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]