

Product datasheet for **RG204802**

CHMP4C (NM_152284) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHMP4C (NM_152284) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CHMP4C
Synonyms:	Shax3; SNF7-3; VPS32C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204802 representing NM_152284 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAAGTTGGGCAAGTTCTTTAAAGGGGGCGGCTCTTCTAAGAGCCGAGCCGCTCCCAGTCCCCAGG
AGGCCCTGGTCCGACTTCGGGAGACTGAGGAGATGCTGGGCAAGAAACAAGAGTACCTGGAAAATCGAAT
CCAGAGAGAAATCGCCCTGGCCAAGAAGCACGGCACGCAGAATAAGCGAGCTGCATTACAGGCACTAAAG
AGAAAGAAGAGGTTTCGAGAAACAGCTCACTCAGATTGATGGCACACTTTCTACCATTGAGTTCAGAGAG
AAGCCCTGGAGAACTCACACACCAACACTGAGGTGTTGAGGAACATGGGCTTTCAGCAAAGCGATGAA
ATCTGTTTCATGAAAACATGGATCTGAACAAAATAGATGATTTGATGCAAGAGATCACAGAGCAACAGGAT
ATCGCCCAAGAAATCTCAGAAGCATTCTCAACGGGTTGGCTTTGGTGTGACTTTGATGAGGATGAGT
TGATGGCAGAACTGAAGAATTGGAACAGGAGGAATTAATAAGAAGATGACAAATATCCGCCTTCCAAA
TGTGCCTTCTCTCTCTCCAGCACAGCCAAATAGAAAACCAGGCATGTCGTCCACTGCACGTCGATCC
CGAGCAGCATCTCCAGAGGGCAGAAGAAGAGGATGATGATATCAAACAATTGGCAGCTTGGGCTACC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204802 representing NM_152284
Red=Cloning site Green=Tags(s)

MSKLGKFFKGGSSKSRAAPSPQEALVRLRETEEMLGKKQEYLENRIQREIALAKKHGTQNKRAALQALK
 RKKRFQKQLTQIDGTLSTIEFQREALENSHTNTEVLRNMGFAAKAMKSVHENMDLNKIDDLMQEITEQQD
 IAQEISEAFSQRVGFDDFDEDELMAELEEELEQEELNKKMTNIRLPNVPSSSLPAQPNRKPMSSTARRS
 RAASSQRAEEEDDDIKQLAAWAT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152284

ORF Size: 699 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_152284.4](#)

RefSeq Size: 1847 bp

RefSeq ORF: 702 bp

Locus ID: 92421

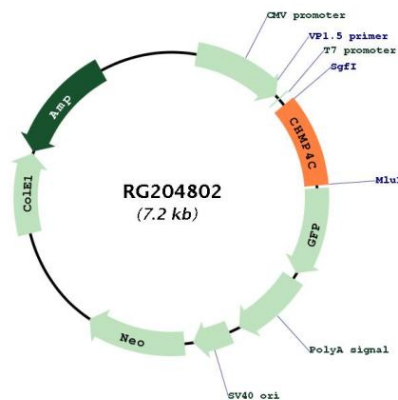
UniProt ID: [Q96CF2](#)

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]

Product images:



Circular map for RG204802