

Product datasheet for **SC322463**

CENTB1 (ACAP1) (NM_014716) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENTB1 (ACAP1) (NM_014716) Human Untagged Clone
Tag:	Tag Free
Symbol:	CENTB1
Synonyms:	CENTB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322463
 GAGTCTCTCTAGGACACCCCTTTCCCCTTGGGGAAAGGATTGTGCCCCAGGCCCTTCC
 CCGCGGAGGTCCCTCTCCTCCTTCCCCCTCATCTCCCCTTCTGGGACAGAAAAGTGCCTC
 CACTGCATCCCCAGGGGCCCGCTCCAGGGCCCGTGGCCCCACAGCAGGCAAGCTGA
 GATGACGGTCAAGCTGGATTTGAGGAGTGTCTCAAGGACTCACCCGTTTCCGAGCCTC
 TATTGAGCTGGTGAAGCCGAAGTGTGAGAATTGGAGACCCGCTTGAAAAAGCTCCTGAA
 ACTGGGCACTGGTCTCCTGGAAAGTGGGGCCATTACCTTGTGCCAGCCGCGCCTTCGT
 TGTCCGGCATTGTGACCTGGCCCCCTGGGTCCACCAGAGCCCATGATGGCGGAGTGTCT
 GGAAAAATTACCGTGAGCCTGAACCACAAGCTGGACAGCCATGCGGAGCTTCTAGATGC
 CACCCAACACACTGCAGCAGCAGATCCAGACCCTGGTCAAGGAAGGTCTGCGGGGTTT
 CCGAGAGGCTCGCCGGGATTTCTGGCGGGGGCTGAGAGCCTGGAGGCTGCCCTGACCCA
 CAACGCAGAGGTTCCAGGCGCCGGGCCAGGAGGCAGAAGAGGCAGGAGCTGCTTTGAG
 GACGGCTCGAGCTGGTACCGGGACGGGCACTGGATTATGCCCTGCAGATCAACGTGAT
 TGAGGACAAGAGGAAGTTTGACATCATGGAGTTTGTGCTGCGTTTGGTGGAGGCCAGGC
 TACCCATTTCCAGCAGGGCCATGAGGAGCTGAGCCGGCTGTCCAGTATCGAAAGGAGCT
 GGGCGCCAGTTGACACCAGCTGGTCTTGAATTCAGCACGAGAGAAGAGGGACATGGAGCA
 GAGACACGTGCTGCTGAAACAGAAGGAGCTGGGTGGGGAGGAGCCAGAACCAAGCTTAAG
 AGAGGGCCTGGTGGCCTGGTGTGGAAGGACATCTTTCAAACGGGCCAGCAACGCATT
 TAAGACCTGGAGCAGACGCTGGTTACCACTTCCAGCAACCAACTGGTTTACCAGAAGAA
 GTACAAGACCCTGTGACTGTGGTGGTGGATGACCTTCGTCTCTGCACAGTAAAAGTCTG
 CCCTGACTCAGAAAGCGGTTCTGCTTTGAGGTGGTGTCCACCAGCAAGTCTGCCTCCT
 CCAGGCTGACTCAGAGCGCTCCTGCAGCTGTGGTTCAGTGTGTGCAGAGCAGCATTGC
 TTCTGCCTTCAGTCAGGCTCGCCTTGATGACAGCCCCGGGGTCCAGGCCAGGGCTCAGG
 ACACCTGGCCATAGGCTCTGCTGCCACCCTGGGCTCTGGTGAATGGCCAGGGGAAGGGA
 GCCTGGGGAGTGGGACGTGGTGGCCAGGTCCAGAGTGTGGATGGCAATGCCAGTG
 CTGCGACTGCCGGGAGCCAGCCCCGAGTGGGCCAGCATCAACCTTGGTGTACCCTCTG
 CATTAGTGTTCGGCATCCACAGGAGCCTTGGTGTCACTTCTCCAAAGTCCGGTCTCT
 GACCCTTGACTCATGGGAGCCAGAACTAGTGAAGCTCATGTGTGAGCTGGGAAATGCAT
 CATCAACCAGATCTATGAGGCCCGCTGGAGGCCATGGCAGTGAAGAAACCAGGGCCAG
 CTGCTCCCGGCAGGAGAAGGAGGCTGGATTACGCTAAATACGTGGAGAAGAAGTTCT
 GACCAAGCTGCCTGAGATTGAGGGCGAAGAGGTGGCCGGGGGCCCAAGGGGGCAGCC
 TCCTGTGCCCCAAAGCCTTCCATCAGGCCCGCCAGGAGCTTGAGATCCAAGCCAGA
 GCCCCCTCTGAGGACCTGGGAAGCCTGCACCCTGGGGCCCTACTGTTTCGAGCCTG
 GCATCCTCCATCTCTTCCACCATTGGCTGATGCCCTTGGCCATGGAGCTGATGTCAACTG
 GGTCAATGGGGGCAAGATAATGCCACACCGCTGATCCAGGCCACAGCTGCTAATTCTCT
 TCTGGCCTGTGAGTTTCTCTCCAGAACGGGGCAACGTGAACCAAGCGGACAGTGGGG
 CCGGGGCCCGTGCACCACGCAACCATTTGGCCACACGGGGCTCGCCTGCCTGTTCTCT
 GAAACGGGGAGCTGATCTGGGGGCTCGAGACTCTGAAGGCAGGGACCCTCTGACCATCGC
 CATGGAAACAGCCAACGCTGACATCGTCAACCCTGCTACGACTGGCAAAGATGAGGGAGGC
 TGAAGCGGCCAGGGGCAGGCAGGAGATGAGACGTATCTTGACATCTCCGCGACTTCTC
 CCTCATGGCGTCAGACGACCCGGAGAAGCTGAGCCGTCGAGTACATGACCTCCACACGCT
 GTGACCCGAGGCCACGGGGCCCGCCTGCCTCCCTTCCCCGCCACGGGCCCTCTGCC
 ATTAAGCCTCCGTGCTTCGCTCAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014716

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_014716.2 , NP_055531.1
RefSeq Size:	2498 bp
RefSeq ORF:	2223 bp
Locus ID:	9744
UniProt ID:	Q15027
Cytogenetics:	17p13.1
Domains:	ArfGap, PH, ANK
Protein Pathways:	Endocytosis
Gene Summary:	GTPase-activating protein (GAP) for ADP ribosylation factor 6 (ARF6) required for clathrin-dependent export of proteins from recycling endosomes to trans-Golgi network and cell surface. Required for regulated export of ITGB1 from recycling endosomes to the cell surface and ITGB1-dependent cell migration.[UniProtKB/Swiss-Prot Function]