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Product datasheet for SC114871

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:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_014716, the custom clone sequence may differ by one or more nucleotides

ATGACGGTCAAGCTGGATTTCGAGGAGTGTCTCAAGGACTCACCCCGTTTCCGAGCCTCTATTGAGCTGG
TGGAAGCCGAAGTGTCAGAATTGGAGACCCGTCTGGAAAAGCTCCTGAAACTGGGCACTGGTCTCCTGGA
AAGTGGGCGCCATTACCTTGCTGCCAGCCGCGCCTTCGTTGTCGGCATTTGTGACCTGGCCCGCCTGGGT
CCACCAGAGCCCATGATGGCGGAGTGTCTGGAAAAATTCACCGTGAGCCTGAACCACAAGCTGGACAGCC
ATGCGGAGCTTCTAGATGCCACCCAACACACACTGCAGCAGCAGATCCAGACCCTGGTCAAGGAAGGTCT
GCGGGGTTTCCGAGAGGCTCGCCGGGATTTCTGGCGGGGGGCTGAGAGCCTGGAGGCTGCCCTGACCCAC
AACGCAGAGGTTCCCAGGCGCCGGGCCCAGGAGGCAGAAGAGGCAGGAGCTGCTTTGAGGACGGCTCGAG
CTGGGTACCGGGGACGGGCACTGGATTATGCCCTGCAGATCAACGTGATTGAGGACAAGAGGAAGTTTGA
CATCATGGAGTTTGTGCTGCGTTTGGTGGAGGCCCAGGCTACCCATTTCCAGCAGGGCCATGAGGAGCTG
AGCCGGCTGTCCCAGTATCGAAAGGAGCTGGGCGCCCAGTTGCACCAGCTGGTCTTGAATTCAGCACGAG
AGAAGAGGGACATGGAGCAGAGACACGTGCTGCTGAAACAGAAGGAGCTGGGTGGGGAGGAGCCAGAACC
AAGCTTAAGAGAGGGGCCTGGTGGCCTGGTGATGGAAGGACATCTCTTCAAACGGGCCAGCAACGCATTT
AAGACCTGGAGCAGACGCTGGTTCACCATTCAGAGCAACCAACTGGTTTACCAGAAGAAGTACAAGGACC
CTGTGACTGTGGTGGTGGATGACCTTCGTCTCTGCACAGTGAAACTCTGCCCTGACTCAGAAAGGCGGTT
CTGCTTTGAGGTGGTGTCCACCAGCAAGTCCTGCCTCCTCCAGGCTGACTCAGAGCGCCTCCTGCAGCTG
TGGGTCAGTGCTGTGCAGAGCAGCATTGCTTCTGCCTTCAGTCAGGCTCGCCTTGATGACAGCCCCCGGG
GTCCAGGCCAGGGCTCAGGACACCTGGCCATAGGCTCTGCTGCCACCCTGGGCTCTGGTGGAATGGCCAG
GGGAAGGGAGCCTGGGGGAGTCGGGCACGTGGTGGCCCAGGTCCAGAGTGTGGATGGCAATGCCCAGTGC
TGCGACTGCCGGGAGCCAGCCCCGGAGTGGGCCAGCATCAACCTTGGTGTCACCCTCTGCATTCAGTGTT
CCGGCATCCACAGGAGCCTTGGTGTTCACTTCTCCAAAGTCCGGTCTCTGACCCTTGACTCATGGGAGCC
AGAACTAGTGAAGCTCATGTGTGAGCTGGGAAATGTCATCATCAACCAGATCTATGAGGCCCGCGTGGAG
GCCATGGCAGTGAAGAAACCAGGGCCCAGCTGCTCCCGGCAGGAGAAGGAGGCCTGGATTCACGCTAAAT
ACGTGGAGAAGAAGTTCCTGACCAAGCTGCCTGAGATTCGAGGGCGAAGAGGTGGCCGGGGGCGCCCAAG
GGGGCAGCCTCCTGTGCCCCCAAAGCCTTCCATCAGGCCCCGGCCAGGGAGCTTGAGATCCAAGCCAGAG
CCCCCCTCTGAGGACCTGGGAAGCCTGCACCCTGGGGCCCTACTGTTTCGAGCGTCTGGGCATCCTCCAT
CTCTTCCCACCATGGCTGATGCCCTTGCCCATGGAGCTGATGTCAACTGGGTCAATGGGGGCCAAGATAA
TGCCACACCGCTGATCCAGGCCACAGCTGCTAATTCTCTTCTGGCCTGTGAGTTTCTCCTCCAGAACGGG
GCGAACGTGAACCAAGCGGACAGTGCGGGCCGGGGCCCGCTGCACCACGCAACCATTCTTGGCCACACGG
GGCTCGCCTGCCTGTTCCTGAAACGGGGAGCTGATCTGGGGGCTCGAGACTCTGAAGGCAGGGACCCTCT
GACCATCGCCATGGAAACAGCCAACGCTGACATCGTCACCCTGCTACGACTGGCAAAGATGAGGGAGGCT
GAAGCGGCCCAGGGGCAGGCAGGAGATGAGACGTATCTTGACATCTTCCGCGACTTCTCCCTCATGGCGT
CAGACGACCCGGAGAAGCTGAGCCGTCGCAGTCATGACCTCCACACGCTGTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014716 unedited
TAAGCTCNAATTTGTAATACGACTACTATAGGGCGGCCGCGAATTCGCACGAGCTCCCCT
TCCTGGGACAGAAAGTGCCTCCACCTGCATCCCCAGGGCCCGGCCTCCAGGGCCCGCTGG
CCCCACAGCAGGCAAGCTGAGATGACGGTCAAGCTGGATTTCGAGGAGTGTCTCAAGGAC
TCACCCCGTTTCCGAGCCTCTATTGAGCTGGTGGAAGCCGAAGTGTCAGAATTGGAGACC
CGTCTGGAAAAGCTCCTGAAACTGGGCACTGGTCTCCTGGAAAGTGGGCGCCATTACCTT
GCTGCCAGCCGCGCCTTCGTTGTCGGCATTTGTGACCTGGCCCGCCTGGGTCCACCGGAG
CCCATGATGGCGGAGTGTCTGGAAAAATTCACCGTGAGCCTGAACCACAAGCTGGACAGC
CATGCGGAGCTTCTAGATGCCACCCAACACACACTGCAGCAGCAGATCCAGACCCTGGTC
AAGGAAGGTCTGCGGGGTTTCCGAGAGGCTCGCCGGGATTTCTGGCGGGGGGCTGAGAGC
CTGGAGGCTGCCCTGACCCACAACGCAGAGGTTCCCAGGCGCCGGGCCCAGGAGGCAGAA
GAGGCAGGAGCTGCTTTGAGGACGGCTCGAGCTGGGTACCGGGGACGGGCACTGGATTAT
GCCCTGCAGATCAACGTGATTGAGGACAAGAGGAAGTTTGACATCATGGAGTTTGTGCTG
CGTTTGGTGGAGGCCAGGCTACCCATTTCCAGCANGGCCATGAGGAGCTGAGCCGGCTGT
CCCAGTATCGAAAGGAGCTGGGCGCCCAGTTGCACCAGCTGGTCTTGAATTCAGCACGAG
AGAAGAGGGACATGNAGCAGANCACGTGCTGCTGAAACAAAAGAGCTGGTGGGGAGGAGC
CAGACCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014716 unedited
GGGGGGAAAGNNNGTTTCTTTCCNNNNNNGNGGTCGTGNNCCGCAGCCGCATTTTANGAT
CAGTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCATTGCTCTGGGTTATTG
AACAACAGTCCAACTTTACAGCATTAAATAAGGGGCAACCCTTCAGGGAGGGGAACCATG
GCTTAAAAATAAAAATGAAAACCGAGCCGGGACAGTTCACATTTCCACGTGAGTGAGGAA
AAACAAAGGATTTTTTTAAACCTGAAAAAAACCCTTGCAATGCTACAAAATGGAGCCCAC
CGAGGCGTGGTGCAACGGGCCCCGGCCCCCACTGTCCGCTTGGTTCACGTTCCCCCCGTT
CTGGAGGAAAAACTCACAGGCCAAAAAAAAATTAACAGCTGTGGCCTGGATCAACGGTGT
GGCATTATCTTGGCCCCCATTGACCCAGTTGACATCAACTCCATGGGCAAGGGCATCAAC
CATGGTGGGAAGAGATGGAGGATGCCCACACCCTCGAAACAGTAGGGCCCCAGGGTGCAC
GCTTCCCAGGTCCTCAGAGGGGGGCTCTTGCTTTGGATCTCAAAGCTCCCTCGCCGGGGC
CTGATGGAAAGCTTTTGGGGGCACAAAGAAGCCTGCCCCCTTGGGCGCCCCCCGGGCAAC
TCTTTTTCCCCTCTAATTTTAAGGCAGCTTGGGTCAGGAACTTCCTTTTTCCCCGTATTT
TAACGGGAAATTCCAGCCTCCCTTTTCCTGCCGGGGAGCAACTGGGCCCCCTGGTTTTTT
CACTGGCCATGGGCCTCCACCCGGGCCTCATAAAAACTGGGTGGAGGAGAAAATTTTCCA
ACTCAAAAAGGAGCTTCACTAGTTTTGGGTTCCCACGAACACAAGGGTCAAAAACCCGAC
TTTTGGGAAAAAGAAACCCAGGCTTCTTGGGATGCCCGAAACCTTGAAGCCCAAGGTGAA
CCCAAGGTGATGCTGGCCCCTCGGGGGTGGGTTCCCGCAACCCAAACCTGGGCTTTGCCT
CCCCATTGGGACTGGCCCCC

Restriction Sites: NotI-NotI

ACCN: NM_014716

Insert Size: 2190 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:	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]