

Product datasheet for **SC125455**

CENTD1 (ARAP2) (NM_015230) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENTD1 (ARAP2) (NM_015230) Human Untagged Clone
Tag:	Tag Free
Symbol:	CENTD1
Synonyms:	CENTD1; PARX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_015230 edited
 ATGTCCTCAGTCAGTGAAGTAAATGTGGATATAAAAGATTTCCCTAATGAGCATTAAATTTG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015230 unedited
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 TTAACCGGTAGAGATCATGAATTTGCCCGGGTGTCTGTGCTGCCCGCACCTGCTTGT
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 TGCTGAACCCGATACCTTACACGGGAACCTGTATGATGTGAGTTTACCAGATTGATCTT
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 AAAATTGGAATATCACCTACAGGTACCGTAGGAGGATACTTAAACAGTTACAGATAATC
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015230 unedited
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 AGTCGAGTTTTTTTTTTTTTTTTTTAGACTTGTAAAACAATTTAATGTTTACTCAAAT
 AAATGAGATGTCATCATTAGCCCTTATCTCTCACACTTGAAAAATGGAGACAGTTGTTCA
 GAATAGAAAGGGAAACAGCTATTAGAGTTAAGCTCAAGTTTCAAGAAGAATTACAGATAA
 GGCAGGTAAAAATCTAGATACTTTTCCACTGTCCAACATCACCAAAATTAATTTCCAC
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 TTTTCTTTCTAAATAACATGATTTCTTGTCTTAAAGGAAGATTCCTAATAGTGCCACCT
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 GCGGGGAAAGCCCCCTTTCTAAAAAAAACCCCTTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_015230

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_015230.2](#), [NP_056045.2](#)

RefSeq Size: 7360 bp

RefSeq ORF: 5115 bp

Locus ID: 116984

UniProt ID: [Q8WZ64](#)

Cytogenetics: 4p14

Domains: RhoGAP, ArfGap, SAM, PH

Protein Pathways: Endocytosis

Gene Summary: The protein encoded by this gene contains ARF-GAP, RHO-GAP, ankyrin repeat, RAS-associating, and pleckstrin homology domains. The protein is a phosphatidylinositol (3,4,5)-trisphosphate-dependent Arf6 GAP that binds RhoA-GTP, but it lacks the predicted catalytic arginine in the RHO-GAP domain and does not have RHO-GAP activity. The protein associates with focal adhesions and functions downstream of RhoA to regulate focal adhesion dynamics. [provided by RefSeq, Sep 2008]

Transcript Variant: This variant (1) represents the protein-coding transcript and encodes the supported protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.