

Product datasheet for **SC114297**

COPZ2 (NM_016429) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COPZ2 (NM_016429) Human Untagged Clone
Tag:	Tag Free
Symbol:	COPZ2
Synonyms:	zeta2-COP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114297 sequence for NM_016429 edited (data generated by NextGen Sequencing) ATGCAGCGGCCCGAGGCCTGGCCACGTCCGCACCCGGGGGAGGGGCGCGGCCGCCCAG GCCGGGGGCCCGCGCCGCTGCTCGAGCCGGGAGCCCTCGGGGCTGCGGTTGCAGGAA CCTTCCCTCTACCCATCAAGGCTGTTTTCATCCTAGATAATGACGGGCGCCGGTGCTG GCCAAGTATTATGATGACACATTCCTCCATGAAGGAGCAGATGGTTTTCGAGAAAAAT GTCTTCAACAAGACCAGCCGACTGAGAGTGAGATTGCATTTTTTGGGGTATGACCATC GTCTACAAGAACAGCATTGACCTCTTCTATACGTGGTGGGCTCATCCTACGAGAATGAG CTGATGCTCATGTCTGTTCTCACCTGCCTGTTTGAGTCTCTGAACCACATGTTAAGGAAG AACGTGGAGAAGCGCTGGTTGCTGGAGAACATGGACGGAGCCTTCTTGGTGCTGGACGAG ATTGTGGATGGCGGTGTGATTCTGGAGAGTGACCCCAAGCAAGTATCCAGAAGGTGAAT TTTAGGGCAGATGATGGCGGCTTGACTGAACAGAGTGTGGCCAGGTTCTTCAGTCTGCC AAGGAACAAATTAATGGTCGTTATTGAAATGA

Clone variation with respect to NM_016429.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016429 unedited
 GGTGGTGCATATGTATACGACTCCTATAGCGGCCCGCGAATTCGCACGAGGCGGAAT
 GCAGCGGCCCGAGGCCTGGCCACGTCCGCACCCGGGGAGGGGGCCGGCGGCCAGGC
 CGGGGGCCCGGCCCGCCTGCTCGAGCCGGGAGCCCTCGGGGCTGCGGTTGCAGGAACC
 TTCCCTCTACACCATCAAGGCTGTTTTTCATCCTAGATAATGACGGGCGCCGGCTGCTGGC
 CAAGTATTATGATGACACATTCCTCCATGAAGGAGCAGATGGTTTTCGAGAAAAATGT
 CTTCAACAAGACCAGCCGACTGAGAGTGAGATTGCATTTTTTGGGGGTATGACCATCGT
 CTACAAGAACAGCATTGACCTCTTCCTATACGTGGTGGGCTCATCTACGAGAATGAGCT
 GATGCTCATGTCTGTTCTCACCTGCCTGTTGAGTCTCTGAACCACATGTTAAGGAAGAA
 CGTGGAGAAGCGCTGGTTGCTGGAGAACATGGACGGAGCCTTCTTGGTGTGGACGAGAT
 TGTGGATGGCGGTGTGATTCTGGAGAGTGACCCCAAGCAAGTGATCCAGAAGGTGAATTN
 TAGGGCAGATGATGGCGGCTTGACTGAACAGAGTGCGCCAGGTTCTTCAGTCTGCCAA
 GGAACCAATANATGGTCGTTATTGAAATGAAGGCTGTGATTCAAGGCTCCCTGCCCCC
 CAGATCATTTCCCAATCTGGCAAAAGCCCCAAAGATCCAGGGTCAGGAGAGACCCCTC
 TGTATCCCAAGGTCCTCCAGAACTGACTCCCTAGGTCTCCACCAGGGCTTCTGAGAT
 GCAAAGGTTTGGCCTCAAGAGAGACCCCTTCTCACGGGCTGGCCTTACTCATATCTTA
 GCATTCCTGGCCCAAGGCCCTATA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016429 unedited
 GGTGGCCGCAGCTCCCTCCAGGATCGAGTTATAATCTTTTTTTTTTGGCAGAAGACAAA
 AGCAGGTTTATTAGGGCCCTGGGGCCACGAATGCCTAAGATATGAGTTAAGGCCAGGGCC
 GTGAGAAAAGTGACTCTCTGAGGCCAAACCTTTGCATCTCAGAAGCCCTGGCTGGAGAC
 CTTAGGAGTCAGTTCTGGGAGGGACCTGGGGGATCGNTGGGTCTCTCTGACCCTGGGAT
 CTTTGGGCTTTTCCAGGATTGGGAAATGATCTGGGGGCGAGGAGCCTTGAATCCACA
 GCCTTCATTTCAATAACGACCATTTAATTTGTTCTTGGCAGACTGAAGAACCTGGGCCA
 CACTCTGTTCAAGCCGCCATCATCTGCCCTAAAATTCACCTTCTGGATCACTTGCT
 GGGGGTCACTCTCCAGAATCACACCGCCATCCACAATCTCGTCCAGCACCAAGAAGGCTC
 CGTCCATGTTCTCCAGCAACCAGCGCTTCTCCACGTTCTTCTTAACATGCGGTTTCAGAG
 ACTCCAACAGGCAGGTGAGAACAGACATGAGCCTCAGCTATTCTCGTCCGATGAGCCCC
 CCACCTTTAGGAAGAGGTCCATGCTGTTCTTGGCCACTATGGTCATACCCCCAAAAATGC
 AATCCCCCTCTCAGTCCGGCTGGTCTTGTGAAGACCTTTCTCTCCCCACCCATCTGCC
 TCTTCTGGGGGCGCATGTTCTTCTATACCTCGGCCCGCCTCGGGGCCGCTCTTTTTTC
 CTCGGTGAAATCCAGCTTTTTTCGCCGCTCAGCGCACGTTTTTTCGCCGCGCCCCCTCGA
 AGGGTTCGCCGCTCCCTCCATGCCGCCCCCGCCCCCGGGCTTGTGCTCTTCGTGTTT
 TCTCTCTCCCCCGCGCCCCGTCGTTGTTGCCCGGCTTTTTCTTCCCTTCGCCCCC
 TACCCTATACCCACCA

Restriction Sites:

NotI-NotI

ACCN:

NM_016429

Insert Size:

860 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:	<u>NM_016429.1, NP_057513.1</u>
RefSeq Size:	914 bp
RefSeq ORF:	633 bp
Locus ID:	51226
UniProt ID:	<u>Q9P299</u>
Cytogenetics:	17q21.32
Domains:	Clat_adaptor_s
Gene Summary:	This gene encodes a member of the adaptor complexes small subunit family. The encoded protein is a subunit of the coatamer protein complex, a seven-subunit complex that functions in the formation of COPI-type, non-clathrin-coated vesicles. COPI vesicles function in the retrograde Golgi-to-ER transport of dilysine-tagged proteins. [provided by RefSeq, Feb 2014]