

Product datasheet for **SC125738**

POPDC2 (NM_022135) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POPDC2 (NM_022135) Human Untagged Clone
Tag:	Tag Free
Symbol:	POPDC2
Synonyms:	POP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_022135 edited
 CATCATTCCTTCCCAAAGCCACCGAAGCATTCTCTAGGAAAGGTGGAGTCGGTAGTG
 AGAAGCCGGAGGTGAGAAGACCCCTGAGCGGATGGATTTCATTTTCTGAATTTCTTA
 TGTGAGGACAGTATTAGAGCCCAGTGAGGCTTTGAGAGGCCCAAAGATGAGGCCAACA
 GCAGCAGAGTGGGCCAGCTTCTCTTGCAGGTTTACGCGTGCATTAGGTGGAAGCAGGATG
 TGAAGGGGCTGTCTACCACTAGCCAAGTGCCTTACTCTGGGCTTCATGGGGGCA
 GTGGGGTGTATGGATGCTTCTATCTTTTTGGCTTCTGAGTGCAGGTTACCTGTGCTGGC
 TGCTGTGGGGCTGGTTTCAAGTGCCTGTGGCTGGACATTGTTCTTTGGAGCTTCTGCTGG
 CTGTGGTCTGCCTGCTCCAGCTGGCACACCTGGTATACCGCTGCGTGAGGACACCTCC
 CTGAGGAGTTTGACCTCTCTACAAGACGCTGTGCCTGCCCTTGACGGTCCCCTACAGA
 CATACAAGGAGATTGTTCACTGCTGCGAGGAGCAGGTCTAACTTGCCACTGAACAGA
 CCTATGCTGTGGAGGTGAGACACCCATCAACCGCTGTCCCTGCTGCTCTGGCCGGG
 TTCGTGTGAGCCAGGATGGGCAGTTTCTGCACTACATCTTCCATACCAGTTCATGGACT
 CTCCTGAGTGGGAATCACTACAGCCTTCTGAGGAGGGGTGTTCCAGTCACTCTGACTG
 CTGAGACCTCATGTAGCTACATTTCTGGCCCCGAAAAGTCTCCATCTTCTTCTGACCA
 AAGAGCGATACATCTCCTGCCTTCTCTCGCTCTGCTGGGATATGACATCTCGGAGAAGC
 TCTACACTCTCAATGACAAGCTCTTTGCTAAGTTTGGGCTGCGCTTTGACATCCGCCTTC
 CCAGCCTTACCATGTCTGGTCCCCTGCTGCAGATGCTGGACCAGAGTCCGAGAAGG
 GTGATGAGGAAGTCTGTGAGCCAGCTGTGTCCCCTCTCAGGCCACCCACCTCTCTCC
 AGCAAACACCCCTTGTCTACCCTCCAGCTACCACCAACTTTCTGCACCTCTACCC
 GGGCCAGTTGTCCAGGCCAGACAGTGGCATACTGGCTTCTAGAATTCCTCTCCAGAGCT
 ACTCTCAAGTTATATCCAGGGGACAGGCCCTTTGGCTCCAACCCACACGCTGAACCTT
 AAGGACTATTGGACTATCTTCTCTGTGGCCAGCGCAGCTCTCTTCTGTGTTACAGATG
 GCCACTGATAGGCATGCCTCTTTTCCCACCCACTGGAAGGCTCACAGGCAAGGTGAGAGA
 GGACACAGAAGGTGCCAACACTGTCGCTACAGTAAGAACCTGAAGTGACTTTGAGAAATT
 CACCCTCACAAACCTTCTTCCAGGAGCAGGCATTGGTAGTGCAGAGGCACAGATCCGTC
 CTTTACCAGTGCAGAATCTTGGCAAGTTACATAGCCTCTGTGAGCCTCATCGTAAAC
 AGTGGGGTTATGAAACCCACTCACAGGGTTGTTGTGAGGATCCAATGAGTTGATTTAG
 GTAAGCACCTAGCACATGCCGTGGCACCAAGTAAGCACTCAATAAATCACTCAACTCCTA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_022135 unedited
 ATCTCTGGNAGTTTTGTNAATACGCACTTTACTATAGGGNCGGACCGGNAATTCAGTTN
 CTNNGGTACCGGTCCGGNNAATCCCGGNATCACTCATTCTCTCCCAAAGCCACCGGA
 AGCATTCTTCTAGGAAAGGTGGAGTCGGTAGTGAGAAGCCGGAGGTGAGAAGACCCCTG
 AGCGGATGGATTTCATTTTCTGAATTTCTATGTGAGGACAGTATTAGAGCCAGTG
 AGGCTTTGAGAGGCCCAAAGATGAGCGCCAACAGCAGCAGAGTGGCCAGCTTCTCTTG
 CAGGGTTCAAGCGTGCATTAGGTGGAAGCAGGATGTGGAAGGGGCTGTCTACCACCTAGCC
 AACTGCCTTCTACTCCTGGGCTTCATGGGGGCGAGTGGGGTGTATGGATGCTTCTATCTT
 TTTGGCTTCTGAGTGCAGGTTACCTGTGCTGCGTGTGGGCTGGTTCAGTGCCTGT
 GGCCTGGACATTGTTCTTTGGAGCTTCTGCTGGCTGTGGTCTGCCTGCTCCAGCTGGCA
 CACCTGGTATACCGCTGCGTGAGGACACCCTCCCTGAGGAGTTTGACCTCTCTACAAG
 ACGCTGTGCTGCCCTTGCAAGTGCCCTACAGACATAAAGGAGATTGTTCACTGCTGC
 GAGGAGCAGGTCTTAACTCTGGCCACTGAACAGACCTATGCTGTGAGGGGTGAGACACC
 ATCAACCGCTGTCCCTGCTGCTCTCTGGCCGGGTTTCGTGTGAGCCAGGATGGGCAGTTT
 CTGCACTACATCTTCCATACCAGTTCATGGAGCTCTCTGAGTGAATCACTACAGCCTT
 CTGAGGAGGGGGTGTCCAGTCACTCTGACTGCTGAGACTCATGTAGCTACATTTTCTG
 GGCCCGGAAAGTCTCCATCTTCTCTGACCAA

Restriction Sites: NotI-NotI
ACCN: NM_022135

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:	<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_022135.2 , NP_071418.2
RefSeq Size:	1667 bp
RefSeq ORF:	1095 bp
Locus ID:	64091
UniProt ID:	Q9HBU9
Cytogenetics:	3q13.33
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a member of the POP family of proteins which contain three putative transmembrane domains. This membrane associated protein is predominantly expressed in skeletal and cardiac muscle, and may have an important function in these tissues. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) uses an alternate in-frame splice site in the 3' coding region, compared to variant 3. This results in a shorter protein (isoform 1), compared to isoform 3. 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.</p>