

Product datasheet for SC315979

PYDC2 (NM_001083308) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PYDC2 (NM_001083308) Human Untagged Clone
Tag:	Tag Free
Symbol:	PYDC2
Synonyms:	cPOP2; POP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315979 representing NM_001083308. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGCATCTTCTGCAGAGCTGGACTTCAACCTGCAGGCTCTTCTGGAGCAGCTCAGCCAGGATGAGTTG
 AGCAAGTTCAAGTCTCTGATCAGAACAATCTCCCTGGGAAAGGAGCTACAGACCGTCCCCAGACAGAG
 GTAGACAAGGCTAATGGGAAGCAACTGGTAGAAATCTTCACCAGCCACTCCTGCAGCTACTGGGCAGGG
 ATGGCAGCCATCCAGGTCTTTGAAAAGATGAATCAAACGCATCTGTCTGGGAGAGCTGATGAACACTGT
 GTGATGCCCCACCTTAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001083308
Insert Size:	294 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).
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.


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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:	<u>NM_001083308.1</u>
RefSeq Size:	294 bp
RefSeq ORF:	294 bp
Locus ID:	152138
UniProt ID:	<u>Q56P42</u>
Cytogenetics:	3q28
MW:	10.8 kDa
Gene Summary:	May play a role in innate immunity by disrupting the interaction between PYCARD and NLRP3, thereby regulating the NLRP3 inflammasome (PubMed:17339483, PubMed:17178784). May also inhibit NF-kappa-B signaling distally by affecting the nuclear accumulation of RELA (PubMed:17339483, PubMed:24871464).[UniProtKB/Swiss-Prot Function]