

Product datasheet for **SC320543**

PTOV1 (NM_017432) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTOV1 (NM_017432) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTOV1
Synonyms:	ACID2; PTOV-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>OriGene sequence for NM_017432.3 <pre> CTCCCCGAAGCCGCGCGCCCGCGCCCGCGCCCTCAGTCGGTGGAGCCCGCAGCCCCC TTGTGGCCCGCGGCAGCTCCCGCCCGCTCGGCCCGCGCCCGCCATGGTCCGTCCGCGCC GTGCCCCGTACCGCTCCGGCGCCGGGGGCCCCCTCGGGGGTCGCGGCCGCCCTCCGCGGC CCCTCGTGGTGC GCGCGCTCCGCTCGCGCTCCTGGCCTGCCAGCCCCGAGGCCCGCAGC CTCCGCGGATCCGGGCCCGCTCGGCCCTCCCATGGAAGGTGCTCGGGTCTTCGGGGCAC TGGGTCCCATCGGTCCCTCCTCACCTGGGCTCACCTCGGGGGTCTGGCCGTGAGCGAGC ACCGGCTCAGCAACAAGCTGCTGGCTTGGAGCGCGCTCCTCGAGTGGCAGGAGAAGCGCA GACCCTACTCTGACTCCACTGCAAAGCTGAAGCGGACCCTGCCCTGCCAAGCCTACGTGA ACCAAGGCGAGAACCTGGAGACCGACAGTGGCCGAGAAGCTGATCATGCAGCTGATCC CTCAGCAGCTGCTGACCACCCTGGGCCCTGTTCGGAAGTCCAGTTGGCACAGTTCC ACTTCACCAACAGAGACTGCGACTCGCTCAAGGGGCTCTGCCGCATCATGGCAACGGCT TCGCGGGTGCATGCTGTTCCCCACATCTCCCCCTGTGAGGTGCGCGTGTCTATGCTCC TGTACTCGTCCAAGAAGAAGATTTTCATGGGCTCATCCCCTACGACCAGAGCGGCTTCG TCAGTGCCATCCGCGAGTGCATACCACCGCAAGCAGGAGTGGGACCTGGTGGTGTCA ACTCAGGCCAGTCCAGATCGTCAACAACAAGTTCTGGCATGGAGTGGTGTCTATGGAGT GGCAGGAGCCAGGCCTGAGCCCAACAGTCGGTCCAAGAGGTGGCTGCCATCCCACGTCT ACGTGAACCAGGGGGAGATCCTGAGGACCGAGCAGTGGCCAAGGAAGCTGTACATGCAGC TCATCCCGCAGCAGCTGCTGACCACCCTAGTGCCGCTGTTCCGGAAGTCCGCGCTGGTCC AGTTCCACTTCACCAAGGACCTGGAGACACTGAAGAGCCTGTGCCGATCATGGACAATG GCTTCGCCGGCTGCGTGCACTTTTCCTACAAAGCATCGTGTGAGATCCGCGTGTATGC TCCTGTACTCTTCAGAGAAGAAAATCTTCATTGGCCTCATCCCCATGACCAGGGCAACT TTGTCAACGGCATCCGGCGTGTCAATTGCCAACCAGCAGCAGGTCTGCAGCGGAACCTGG AGCAGGAGCAACAGCAACGAGGGATGGGGGGTGTGTTACCCCGGGCTGGGCCCTCC AGGAGTACAGATGAGGCCCGCGAGAGACTGTGCTTGGGAGCCTGTGGCCAGCAGCCCC CACTGTACCCCTGCCCCAGGTGACACGCTTCTGAGCAGGGGCCCTGGGGAATTCAACT GCCCAGCAACATGGAGGATGGTGTCTGAGGCCTCAAGGACGGTCCCCACCCCTCTACG TTTCCCCAATAAAGCCTTTTAAAAACCAAAAAAAAAAAAAAAAAAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_017432
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.
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_017432.3, NP_059128.2</u>
RefSeq Size:	1884 bp
RefSeq ORF:	1251 bp
Locus ID:	53635
UniProt ID:	<u>Q86YD1</u>
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a protein that was found to be overexpressed in prostate adenocarcinomas. The encoded protein was found to interact with the lipid raft protein flotillin-1 and shuttle it from the cytoplasm to the nucleus in a cell cycle dependent manner. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2015] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). This transcript contains splicing in the 3' UTR that makes it a candidate for nonsense-mediated mRNA decay (NMD). However, this protein is thought to be valid.