

Product datasheet for **SC117455**

TAPA1 (CD81) (NM_004356) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAPA1 (CD81) (NM_004356) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAPA1
Synonyms:	CVID6; S5.7; TAPA1; TSPAN28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004356, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGTGGAGGGCTGCACCAAGTGCATCAAGTACCTGCTCTTCGTCTTCAATTCGTCTTCTGGCTGG  
CTGGAGGCGTGATCCTGGGTGTGGCCCTGTGGCTCCGCCATGACCCGAGACCACCAACCTCCTGTATCT  
GGAGCTGGGAGACAAGCCCGCGCCCAACACCTTCTATGTAGGCATCTACATCCTCATCGCTGTGGGCGCT  
GTCATGATGTTTCGTTGGCTTCTGGGCTGCTACGGGGCCATCCAGGAATCCAGTGCCTGCTGGGGACGT  
TCTTCACCTGCCTGGTCATCCTGTTTGCCTGTGAGGTGGCCGCCGCATCTGGGGCTTTGTCAACAAGGA  
CCAGATCGCCAAGGATGTGAAGCAGTTCTATGACCAGGCCCTACAGCAGGCCGTGGTGGATGATGACGCC  
AACACGCCAAGGCTGTGGTGAAGACCTCCACGAGACGCTTGACTGCTGTGGCTCCAGCACACTGACTG  
CTTTGACCACCTCAGTGCCTCAAGAACAATTTGTGTCCCTCGGGCAGCAACATCATCAGCAACCTCTCAA  
GGAGGACTGCCACCAGAAGATCGATGACCTCTTCTCCGGGAAGCTGTACCTCATCGGCATTGCTGCCATC  
GTGGTCGCTGTGATCATGATCTTCGAGATGATCCTGAGCATGGTGTGCTGTGGCATCCGGAACAGCT  
CCGTGTAAGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004356 unedited GTCAGAATTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACGAGGCCTCGTGCCG AATTCCGGCAGGAGGGACCGGCCCGCCCGCAGGCCCGCCCGCCCGCCCGCCATGG GAGTGGAGGGCTGCACCAAGTGCATCAAGTACCTGCTCTTCGTCTTCAATTTTCGTCTTCT GGCTGGCTGGAGGCGTGATCCTGGGTGTGGCCCTGTGGCTCCGCCATGACCCGCAGACCA CCAACCTCCTGTATCTGGAGCTGGGAGACAAGCCCGCCCAACACCTTCTATGTAGGCA TCTACATCCTCATCGCTGTGGCGCTGCATGATGTTTCGTTGGCTTCTGGGCTGCTACG GGCCATCCAGGAATCCCAGTGCCTGCTGGGAGGTTCTTACCTGCCTGGTCATCCTGT TTGCCCTGTGAGGTGGCCCGGCATCTGGGGCTTTGTCAACAAGGACCAGATCGCCAAGG ATGTGAAGCAGTTCTATGACCAGGCCCTACAGCAGGCCGTGGTGGATGATGACGCCNACA ACGCCAAGGCTGTGGTGAAGACCTTCCACGAGACGCTTGACTGCTGTGGCTCCAGCACAC TGACTGCTTTGACCACCTCAGTGTCAAGAAACCATTGTGTCCCTCGGGCAGCAACATCA TCAGCAACCTCTTCAAGGAGACTGCCACCAGAAGATCGATGACCTTCTCCGGGAAGC TGTACCTCATCGCATTGCTGCCATCGTGGTCGCTGTGATCATGATCTTCGAGATGATCC TGAGCATGGTGTGGGCTGTGGCATTCCGGACAGCTTCGTGACTGAAGCCCGCAGCTT TTGCCACAGGGACTCTTGGAGTGCCCCCTAAGTGACCGGCACCTCCGAGGGGGCCATAAC CGCTGGGATTTACGTTTCCGGATTACCCTGCTACCC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004356 unedited TTTCTGTGTTCCNTTTTTAAATGACGAGTCAGGCAGTTGTGATTACAGTTGAAGGCGA CGTGTTAGTAAAGGACAGGTGCATGAAGGCAGAGAGTGCCACAGACTCGGCTCTCGAAC CGGGGCAGGAGGGAACAAGGTGAGCTGTGCAGCCACAGGACGGGCGGGCTGGGTGGACA CAGCCCCCAAGTTGGCCAAGCTGAGTCTCTGGGCGAGTGGCTCCCATGAGAGGCCTGGC TGAGCAGGCAGAGCACCTGGGACCCAGGGCAGAAGGACCCCTGCCCTCCAGTCCCAA GACCCAGGCCCGTCTCCACTCATACACGCCACCTACATGTGACGTGAGCCCTGAAAAGGT AACAGGAAAGTTCAGAACAAAAACAAAACCCAAAAGTAAAAAGGCTACGTGTAGCAGAG TAATACCGGAAACGTTATATACACAGGCGGTGATGGCCCCCTCGGAAGTGTCCGGGTAC TTATGGGGCACTGCAGAGGTCCCTGTGGCCAGAGCTGCGGGGCCCTCAGTACACGGAGCTG TTCCGGATGCCACAGCACAGCACCATGCTCATGATCATCTCGAAGATCATGATCACAGCG ACCACGATGGCAGCAATGCCGATGAGGTACAGCTTCCCGGAGAAGAGGTATCGATCTTC TGGTGGCAGTCCCTTGAAGAGGTTGCTGATGATGTTGCTGCCGAGGGACACAATTTG TTCTTGACACTGAGGTGTTCAAAGCAGTCAGTGTGCTGGAGCCACAGCAGTCAAGCGTC TCGTGGAAGGTCTTACCACAGCCTTTGGGCGTTGTTGGCGTCATCATCCACCACGGCCT GCTGTAAGGCCTGGTCATAGAAGTCTTACATCCTTGGCGATCTGGTCTTGTGACAT AGCCAGATGCCGGCGGGCACTTACATGCAAACAGGATGACCATGCAGTTGAATAACGTC CC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_004356
Insert Size:	1400 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: [NM_004356.3](#), [NP_004347.1](#)

RefSeq Size: 1497 bp

RefSeq ORF: 711 bp

Locus ID: 975

UniProt ID: [P60033](#)

Cytogenetics: 11p15.5

Domains: transmembrane4

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: B cell receptor signaling pathway

Gene Summary: The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).