

Product datasheet for **RG236199**

TAPA1 (CD81) (NM_001297649) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAPA1 (CD81) (NM_001297649) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CD81
Synonyms: CVID6; S5.7; TAPA1; TSPAN28
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236199 representing NM_001297649.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGTTGTTGGCTTCTGGGCTGCTACGGGCCATCCAGGAATCCCAGTGCCTGCTGGGGACGTTT
TTCACCTGCCTGGTCATCCTGTTGCTGTGAGGTGGCCGCCGCATCTGGGGCTTTGTCAACAAGGAC
CAGATCGCCAAGGATGTGAAGCAGTTCTATGACCAGGCCCTACAGCAGGCCGTGGTGGATGATGACGCC
AACACGCCAAGGCTGTGGTGAAGACCTCCACGAGACGCTTGACTGCTGTGGCTCCAGCACACTGACT
GCTTTGACCACCTCAGTGTCAAGAACAATTTGTGTCCCTCGGGCAGCAACATCATCAGCAACCTCTTC
AAGGAGGACTGCCACCAGAAGATCGATGACCTTCTCCGGGAAGCTGTACCTCATCGGCATTGCTGCC
ATCGTGGTGTGATCATGATCTTCGAGATGATCCTGAGCATGGTGTGCTGTGGCATCCGGAAC
AGCTCCGTGTAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236199
Blue=ORF Red=Cloning site Green=Tag(s)

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MMFVGFLGCGYAIQESQCLLGTFFTCLVILFACEVAAGIWGFVNKDQIAKDVKQFYDQALQQAVVDDDA
NNAKAVVKTFFHETLDCCGSSTLTALTTSVLKNLCPSPGNSIISNLFKEDCHQKIDDLFSGKLYLIGIAA
IIVVAVIMIFEMILSMVLCCGIRNSSVY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites: Sgfl-MluI



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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).
RefSeq:	NM_001297649.1 , NP_001284578.1
RefSeq Size:	1379 bp
RefSeq ORF:	498 bp
Locus ID:	975
UniProt ID:	P60033
Cytogenetics:	11p15.5
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	B cell receptor signaling pathway
MW:	18.4 kDa
Gene Summary:	<p>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]</p>