

Product datasheet for **SC305187**

PDZD7 (NM_024895) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: PDZD7

Synonyms: DFNB57; PDZK7

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_024895, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCAGGGTTTCGAGTGGGCTTCGACCCACTGGGCCTAGGAGACCTGAGCTCCGGC
TCTCTGAGCTCCCTCTCCTCCCGAGGCCACCTAGGCAGCGACTCAGGCTCCACCGCAACG
CGATACCTGCTAAGGAAGCAACAACGGCTGCTGAACGGGCCCCCGCGGAATCCGAGCC
TCATCGCCCATGGGACGCGTCATCCTCATCAACTCCCCCATCGAAGCCAACAGTGATGAA
AGTGACATCATCCATTAGTCCGGGTGGAGAAGAGTCCAGCAGGGAGGCTGGGCTTCAGC
GTGCGCGGGGGCTCAGAGCATGGCCTGGGCATCTTCGTGAGCAAGTGGAGGAAGGCAGC
AGTGACAGCGGGCTGGCCTGTGCGTGGGGGACAAGATCACGGAGGTGAATGGGCTGAGC
CTGGAGAGCACCACCATGGGTAGCGCCGTAAGGTGCTGACCAGCAGCAGCCGCTGCAC
ATGATGGTTCGGCGCATGGGCCGTGTGCCGGGCATCAAGTTCTCCAAGGAGAAGACCAG
TGGGTGGATGTGGTGAATCGGCGCCTGGTAGTGGAGAAGTGCAGTTCAACACCTCCGAC
ACCAGCTCAGAAGATGGTGTCCGGCGCATCGTCCACCTATACACAACCTCCGACGACTTC
TGCCTGGGCTTCAACATCCGTGGGGCAAGGAGTTTGGCCTGGGCATCTATGTGTCCAAA
GTGGACCATGGTGGGCTGGCCGAGGAGAATGGCATCAAGGTAGGGGACCAGGTCTGGCA
GCCAACGGTGTGAGTTTGACGACATCAGCCACAGCCAGGCCGTGGAGGTGCTGAAGGGC
CAAACGCACATCATGCTGACCATCAAGGAGACCGGCCGATCCTGCCTACAAGGAGATG
GTTTCTGAGTACTGCTGGCTGGACCGACTGAGCAACGGGGTCTGCAGCAGCTGTCCCG
GCCTCTGAGAGCAGCTCCAGCGTCTCTTCGTGCGCCTCCAGCGCCCCCTACAGCTCGGGC
TCCCTGCCGTGCGACCGCATGGACATCTGCCTCGGGCAGGAGGAGCCCGCAGCCGCGGC
CCAGGCTGGGGCGGGCGGACACAGCCATGCAGACGGAGCCGATGCGGGAGGCCGGGTG
GAGACCTGGTGCAGCGTGGGCCCACAGTCATCCTCAGGGACACCGCCATCCGCTCGGAC
GGCCCCCATCCCGCCGCCGCTTGACTCTGCGCTCTCTGAGTCTCCAAGACGGCTTTG
CTGCTGGCCCTCAGCCGACCCCGGCCCCCATCACGCGCTCCAGAGCTATCTGACCTTG
TGGGAGGAGAAGCAGCAGCGGAAGAAGGAGAAGTCGGGGTCCCCTGGGGAGAAGGGTGCC
CTGCAGCGCTCCAAGACGCTGATGAACCTCTTCTCAAGGGAGGGCGGAGGGGAGGCTA
GCGGGGACGGGCGCAGAGAGCCCTGGACACTGGACAGCGGGAGCCTGGCCAAAACCTTAC
CCTCGCTGGACATAGAGAAAGAGATGGGGGTTTACCCTGTTGCCAGGCTAG
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Restriction Sites: Please inquire

ACCN: NM_024895



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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_024895.3, NP_079171.1</u>
RefSeq Size:	2037 bp
RefSeq ORF:	1554 bp
Locus ID:	79955
UniProt ID:	<u>Q9H5P4</u>
Cytogenetics:	10q24.31
Gene Summary:	<p>This gene encodes a ciliary protein homologous to proteins which are mutated in Usher syndrome patients, and mutations and translocations involving this gene have been associated with two types of Usher syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2010]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1 and is also known as PDZD7-A.</p>