

Product datasheet for **SC310056**

DPP8 (NM_197960) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP8 (NM_197960) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP8
Synonyms:	DP8; DPRP-1; DPRP1; MST097; MSTP097; MSTP135; MSTP141
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_197960 edited
ATGTGGAAGAGATCTGAGCAGATGAAAATAAAATCAGGAAAATGCAACATGGCAGCAGCA
ATGGAACAGAACAGCTGGGTGTTGAGATATTTGAAACTGCGGACTGTGAGGAGAATATT
GAATCACAGGATCGGCCTAAATTGGAGCCTTTTTATGTTGAGCGGTATTCCTGGAGTCAG
CTTAAAAAGCTGCTTGCCGATACCAGAAAATATCATGGCTACATGATGGCTAAGGCACCA
CATGATTTTCATGTTTGTGAAGAGGAATGATCCAGATGGACCTCATTGAGACAGAAATCTAT
TACCTTGCCATGTCTGGTGAGAACAGAGAAAATACACTGTTTTATTCTGAAATTCCTAAA
ACTATCAATAGAGCAGCAGTCTTAATGCTCTCTTGAAGCCTCTTTTGGATCTTTTTCAG
GCAACACTGGACTATGGAATGTATTCTCGAGAAGAAGAACTATTAAGAGAAAAGAAAACGC
ATTGGAACAGTCGGAATTGCTTCTTACGATTATACCAAGGAAGTGAACATTTCTGTTT
CAAGCCGGTAGTGAATTTATCACGTAAGATGGAGGGCCACAAGGATTTACGCAACAA
CCTTTAAGGCCAATCTAGTGGAACTAGTTGTCACACATACGGATGGATCCAAAATTA
TGCCCTGCTGATCCAGACTGGATTGCTTTATACATAGCAACGATATTTGGATATCTAAC
ATCGTAACAGAGAAGAAAGGAGACTCACTTATGTGCACAATGAGCTAGCCAACATGGAA
GAAGATGCCAGATCAGCTGGAGTCGCTACCTTTGTTCTCCAAGAAGAATTTGATAGATAT
TCTGGCTATTGGTGGTGTCCAAAAGCTGAAACAACTCCCAGTGGTGGTAAAATTCCTAGA
ATTCTATATGAAGAAAATGATGAATCTGAGGTGGAATTAATTCATGTTACATCCCCTATG
TTGAAAACAAGGAGGGCAGATTCATTCCGTTATCCTAAAACAGGTACAGCAAATCCTAAA
GTCACTTTTAAGATGTCAGAAAATATGATTGATGCTGAAGGAAGGATCATAGATGTCATA
GATAAGGAACTAATCAACCTTTTGGAGATTCTATTTGAAGGAGTTGAATATATTGCCAGA
GCTGGATGGACTCCTGAGGGAAAATATGCTTGGTCCATCCTACTAGATCGCTCCCAGACT
CGCCTACAGATAGTGTGATCTCACCTGAATATTTATCCCAGTAGAAGATGATGTTATG
GAAAGCCAGACTCATTGAGTCAGTGCCTGATTCTGTGACGCCACTAATTATCTATGAA
GAAACAACAGACATCTGGATAAAATATCCATGACATCTTTTCATGTTTTTCCCAAAGTCAC
GAAGAGGAAATTGAGTTATTTTTGCCTCTGAATGCAAAAACAGGTTTCCGTCATTATAC
AAAATTACATCTATTTTAAAGGAAAAGCAAATAAAACGATCCAGTGGTGGGCTGCCTGCT
CCAAGTGATTTCAAGTGCCTATCAAAGAGGAGATAGCAATTACCAGTGGTGAATGGGAA
GTTCTTGGCCGGCATGGATCTAATATCCAAGTTGATGAAGTCAGAAGGCTGGTATATTTT
GAAGGCACCAAAGACTCCCCTTTAGAGCATCACCTGTACGTAGTCAGTTACGTAATCCT
GGAGAGGTGACAAGGCTGACTGACCGTGGCTACTCACATTCCTGCTGCATCAGTCAGCAC
TGTGACTTCTTTATAAGTAAGTATAGTAACAGAGAATCCACACTGTGTGTCCCTTTAC
AAGCTATCAAGTCTGAAGATGACCCAACCTTGCAAAAACAAGGAATTTTGGGCCACCATT
TTGGATTGAGCAGGTCCTCTTCCGACTATACTCCTCCAGAAAATTTCTCTTTTGAAGT
ACTACTGGATTTACATTTGATGGGATGCTCTACAAGCCTCATGATCTACAGCCTGGAAGG
AAATATCCTACTGTGCTGTTTCATATATGGTGGTCTCAGGTGCAGTTGGTGAATAATCGG
TTTAAAGGAGTCAAGTATTTCCGCTTGAATACCCTAGCCTCTCTAGGTTATGTGGTTGTA
GTGATAGACAACAGGGGATCCTGTCACCGAGGGCTTAAATTTGAAGGCGCCTTTAAATAT
AAAATGGGTCAAATAGAAATTGACGATCAGGTGGAAGGACTCCAATATCTAGCTTCTCGA
TATGATTTTCATTGACTTAGATCGTGTGGGCATCCACGGCTGGTCTATGGAGGATACCTC
TCCCTGATGGCATTAAATGCAGAGGTCAGATATCTTCAGGGTTGCTATTGCTGGGGCCCA
GTCACCTGTGGATCTTCTATGATACAGGATACACGGAACGTTATATGGGTACCCCTGAC
CAGAATGAACAGGGCTATTACTTAGGATCTGTGGCCATGCAAGCAGAAAAGTTCCCTCT
GAACCAAATCGTTTACTGCTCTTACATGGTTTCTGGATGAGAATGTCCATTTTGCACAT
ACCAGTATATTACTGAGTTTTTTAGTGAGGGCTGGAAAGCCATATGATTTACAGATCTAT
CCTCAGGAGAGACACAGCATAAGAGTTCCTGAATCGGGAGAACATTATGAACTGCATCTT
TTGCACTACCTTCAAGAAAACCTTGGATCACGTATTGCTGCTCTAAAAGTGATATAATTT
TGACCTGTGTAGAACTCTCTGGTATACACTGGCTATTTAACCAAATGAGGAGGTTAATC
AACAGAAAACACAGAATTGATCATCACATTTTGATACCTGCCATGTAACATCTACTCCTG
AAAATAAATGTGGTGCCATGCAGGGTCTACGGTTTGTGGTAGTAATCTAATACCTTAAC
CCCACATGCTCAAAATCAAAATGATACATATTCCTGAGAGACCCAGCAATACCATAAAGAT
TACTAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:	Please inquire
ACCN:	NM_197960
Insert Size:	3000 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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.
RefSeq:	NM_197960.1 , NP_932064.1
RefSeq Size:	3055 bp
RefSeq ORF:	2697 bp
Locus ID:	54878
UniProt ID:	Q6V1X1
Cytogenetics:	15q22.31
Protein Families:	Druggable Genome, Protease, Transmembrane

Gene Summary:

This gene encodes a member of the peptidase S9B family, a small family of dipeptidyl peptidases that are able to cleave peptide substrates at a prolyl bond. The encoded protein shares similarity with dipeptidyl peptidase IV in that it is ubiquitously expressed, and hydrolyzes the same substrates. These similarities suggest that, like dipeptidyl peptidase IV, this protein may play a role in T-cell activation and immune function. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (3) differs in the 5' UTR and 5' coding region which results in the use of an alternate start codon, compared to variant 1. The encoded isoform (3) is longer and has a distinct N-terminus compared to isoform 1. Both variants 3 and 6 encode the same isoform (3). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.