

Product datasheet for **SC110497**

DPP8 (NM_197961) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP8 (NM_197961) 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: >OriGene ORF within SC110497 sequence for NM_197961 edited (data generated by NextGen Sequencing)

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ATGTGGAAGAGATCTGAGCAGATGAAAATAAAATCAGGAAAATGCAACATGGCAGCAGCA
ATGGAAACAGAACAGCTGGGTGTTGAGATATTTGAAACTGCGGACTGTGAGGAGAATATT
GAATCACAGGATCGGCCTAAATTGGAGCCTTTTTATGTTGAGCGGTATTCCTGGAGTCAG
CTTAAAAAGCTGCTTGCCGATACCAGAAAATATCATGGCTACATGATGGCTAAGGCACCA
CATGATTTTCATGTTTGTGAAGAGGAATGATCCAGATGGACCTCATTGAGACAGAATCTAT
TACCTTGCCATGTCTGGTGAGAACAGAGAAAATACACTGTTTTATTCTGAAATCCCAAA
ACTATCAATAGAGCAGCAGTCTTAATGCTCTCTTGAAGCCTCTTTGGATCTTTTTTCAG
GCAACTGACTATGGAATGTATTCTCGAGAAGAAGAACTATTAAGAGAAAAGAAAACGC
ATTGGAACAGTCGGAATTGCTTCTTACGATTATCACCAAGGAAGTGAACATTTCTGTTT
CAAGCCGTAGTGAATTTATCACGTAAGATGGAGGGCCACAAGGATTTACGCAACAA
CCTTTAAGGCCAATCTAGTGGAACTAGTTGTCCCAACATACGGATGGATCCAAAATTA
TGCCCTGCTGATCCAGACTGGATTGCTTTTATACATAGCAACGATATTTGGATATCTAAC
ATCGTAACCAGAGAAGAAAGGAGACTCACTTATGTGCACAATGAGCTAGCCAACATGGAA
GAAGATGCCAGATCAGCTGGAGTCGCTACCTTTGTTCTCCAAGAAGAATTTGATAGATAT
TCTGGCTATTGGTGGTGTCCAAAAGCTGAAACAACCTCCAGTGGTGGTAAAATCTTAGA
ATTCTATATGAAGAAAATGATGAATCTGAGGTGGAATTTTTCATGTTACATCCCCTATG
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GCTGGATGGACTCCTGAGGGAAAATATGCTTGGTCCATCTACTAGATCGCTCCAGACT
CGCTACAGATAGTGGTATCTCACCTGAATTTTATCCAGTGAAGATGATGTTATG
GAAAGGCAGAGACTCATTGAGTCAGTGCCTGATTCTGTGACGCCACTAATTATCTATGAA
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ACTACTGGATTTACATTTGATGGGATGCTCTACAAGCCTCATGATCTACAGCCTGGAAG
AAATATCTACTGTGCTGTTTATATATGGTGGTCCCTCAGGTGCAGTTGGTGAATAATCGG
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GTGATAGACAACAGGGGATCCTGTACCAGGGGCTTAAATTTGAAGGCGCCTTTAAATAT
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ACGGAACGTTATATGGGTACCCTGACCAGAATGAACAGGGCTATTACTTAGGATCTGTG
GCCATGCAAGCAGAAAAGTTCCCTCTGAACCAAATCGTTTACTGCTTACATGGTTTC
CTGGATGAGAATGTCCATTTTGCACATACCAGTATATTACTGAGTTTTTTAGTGAGGGCT
GGAAAGCCATATGATTTACAGATCTATCCTCAGGAGAGACACAGCATAAGAGTTCCTGAA
TCGGGAGAACATTATGAACTGCATCTTTTGCACACTACCTTCAAGAAAACCTTGGATCACGT
ATTGCTGCTCTAAAAGTGATATAA
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Clone variation with respect to NM_197961.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_197961 unedited
 TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCCGCTGCTACTGCCGCC
 GCTGCTTCTTAGTGCCCGGTTCCGCCCTGGGTTGTCACCGGCCCGCCGCCGAGGAAGC
 CACTGCAACCAGGACCGGAGTGGAGGCGGCGCAGCATGAAGCGGCGCAGGCCCGCTCCAT
 AGCGCACGTGGGACGGTCCGGGCGGGCCGGGGGAAGGCTTTGATGGTGAGGAAAGGA
 AAGATTCCTGTGAGAAGAGCAGGATGAGCAGAGGGATTCTATGCTTGAAGTCGAGTCACT
 TGAAAAAGATCTCTTTGAATGTGGAAGAGATCTGAGCAGATGAAAAATAAATCAGGAAAA
 TGCAACATGGCAGCAGCAATGGAACAGAACAGCTGGGTGTTGAGATATTTGAAACTGCG
 GACTGTGAGGAGAATATTGAATCACAGGATCGGCCTAAATTGGAGCCTTTTTATGTTGAG
 CGGTATTCCTGGAGTCAGCTTAAAAAGCTGCTTGCCGATACCAGAAAAATATCATGGCTAC
 ATGATGGCTAAGGCACCACATGATTTTCATGTTTGTGAAGAGGAATGATCCAGATGGACCT
 CATTGAGACAGAATCTATTACCTTGCCATGGGTCTGGTGAGAACAGAGAAAAATCACTGG
 TTTTATTCTGGAATCCCAAACTATAATAGAANCAGCAGTCTTAATGCTCTCTGGAAGC
 CTCTTTTTGGTATCTTTTCAGGCACACTGGCTATGGGAATGGATTCTCGAGAAGAAGACT
 ATTAAGAGAAAAGAACGCATGGGACAGTCGGAATTGCTTTTACATATCCCNGGGAGTGG
 ACCTTTTCTGTCAGACCCGGGTGGGGATTATACGAAAAAGGGGGGCCAGTTACCAC
 CCCCTTAGGCATCTAGAGCAACNTTGCATCCGGGGGGGCCAATTGCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_197961 unedited
 GNANGAGCACTGGGNAGGGTACAGGGATGCCACCCGGGATCTGTTTCAGGAAACAGCTA
 TGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATGTAATCTTATGGT
 ATTGCTGGGTCTCTCAGGAATATGTATCATTTGATTTTGGAGCATGTGGGGTTAAGGTATT
 AGATTACTACCACAAACCGTAGACCCCTGCATGGCACCACATTTATTTTTCAGGAGTAGAT
 GTTACATGGCAGGTATCAAAATGTGATGATCAATTCTGTGTTTTCTGTTGATTAACCTC
 CTCATTTGGTTAAATAGCCAGTGTATACCAGAGAGTTCTACACAGGTCAAATATATCA
 CTTTTAGAGCAGCAATACGTGATCCAAGTTTTCTTGAAGGTAGTCAAAAAGATGCAGTT
 CATAATGTTCTCCCGATTGAGCACTCTATGCTGTGCTCTCCCTGAGGATAGATCTGTA
 AATCATATGGCTTTCCAGCCCTCACTAAAAACTCAATAATACTGGTATGTGCAAAAT
 GGACATTTCTATCCNGGAAACCATGTNAAAACACTAAACGATTTGGTTCAAAGGGGAAT
 TTTCTGCTTGCATGGCCACAAATCCTTAATAATAACCCCTGTTATTTCTGGTCAGGGTAA
 CCATAAAACATTCCATGTAACCTGTATCAANAAAAATCCACATATTGATTGGGGCCCCC
 GCATAAAACCTTAAAATATCGACACTCGCATTATGCCCCCAAGAAAGGTATACTTCTTA
 CACCACCTGTATCCCCCCCCTCACTTCATTGAATCATTACCGCAACCTATTATTGGA
 CTCCCCCCAATATTGTTTGTGGCGGGGTG

Restriction Sites:

NotI-NotI

ACCN:

NM_197961

Insert Size:

3300 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_197961.1](#), [NP_932065.1](#)

RefSeq Size: 3129 bp

RefSeq ORF: 2544 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 (4) contains an alternate exon in the 5' UTR and 5' coding region and lacks an exon in the 3' coding region compared to variant 1. These differences result in the use of an alternate start codon compared to variant 1. The encoded isoform (4) is shorter and has a distinct N-terminus compared to isoform 1. 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.