

Product datasheet for SC118957

Dermatopontin (DPT) (NM_001937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dermatopontin (DPT) (NM_001937) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dermatopontin
Synonyms:	TRAMP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118957 sequence for NM_001937 edited (data generated by NextGen Sequencing) ATGGACCTCAGTCTTCTCTGGGTACTTCTGCCCTAGTCACCATGGCCTGGGGCCAGTAT GGCGATTATGGATACCCATACCAGCAGTATCATGACTACAGCGATGATGGGTGGGTGAAT TTGAACCGGCAAGGCTTACAGTACCAGTGTCCCCAGGGCAGGTGATAGTGGCCGTGAGG AGCATCTTCAGCAAGAAGGAAGGTTCTGACAGACAATGGAACACGCCTGCATGCCACA CCACAGAGCCTCGGGGAACCCACGGAGTGCTGGTGGGAGGAGATCAACAGGGCTGGCATG GAATGGTACCAGACGTGCTCCAACAATGGGCTGGTGGCAGGATCCAGAGCCGCTACTTC GAGTCAGTGCTGGATCGGGAGTGGCAGTTTTACTGTTGTCGCTACAGCAAGAGGTGCCA TATTCCTGCTGGCTAACAAACAGAATATCCAGGTCATATGGTGGGAAATGGACATGATT TCCTACAATTATGATTACTATATCCGAGGAGCAACAACCACTTTCTCTGCAGTGGAAAGG GATCGCCAGTGAAGTTCATAATGTGCCGGATGACTGAATACGACTGTGAATTTGCAAAT GTTTAG Clone variation with respect to NM_001937.4 240 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001937 unedited
 GTAATACGCACTCACTATAGGGCGGCCGAATTCGGCACGAGGATCCCAGGCAGCATGG
 ACCTCAGTCTTCTCTGGGTACTTCTGCCCTAGTCACCATGGCCTGGGGCCAGTATGGCG
 ATTATGGATACCCATACCAGCAGTATCATGACTACAGCGATGATGGGTGGGTGAATTTGA
 ACCGGCAAGGCTTCAGCTACCAGTGTCCCAGGGCAGGTGATAGTGGCCGTGAGGAGCA
 TCTTCAGCAAGAAGGAAGTTCTGACAGACAATGGAACACGCCCTGCATGCCACACCAC
 AGAGCCTCGGGGAACCCACGGAGTGTGGTGGGAGGAGATCAACAGGGCTGGCATGGAAT
 GGTACCAGACGTGCTCCAACAATGGGCTGGTGGCAGGATTCCAGAGCCGCTACTTCGAGT
 CAGTGCTGGATCGGGAGTGGCAGTTTTACTGTTGTCGCTACAGCAAGAGGTGCCATATT
 CCTGCTGGCTAACAAACAGAATATCCAGTCACTATGGTGAGGAAATGGACATGATTTCT
 ACAATTATGATTACTATATCCGAGGAGCAACAACCACTTTCTCTGCAGTGGAAAGGGATC
 GCCAGTGGAAAGTTCATAATGTGCCGGATGACTGAATACGACTGTGAATTTGCAATGTTA
 GATTTGCACATACCAAATCTGGGTGAAAGGAAGGGCCGGTGACAGGAGGGTGTCCACAT
 ATGTTAACATCAGTTGGATCTCCTATAGAAGTTTCTGCTGCTCTTTCTTCTCTCTGA
 GCTGGTAACTGCAATGCCAACTTCTGCGCCCTTCTGACTGGAATACACTTNTAATAAA
 ATCCCCATTAAACCATGAAAAAAAAAAAAAAAAACTTGACTTTAGATTGCGCCCGCTCAT
 AGCTGTTTCTGAAACAATCCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001937 unedited
 TCTATGGACCGCGGCACGCAATCTAGATCGAGTTTTTTTTTTTTTTTTTAAATGGCTTAA
 TTGTGGATTTTATTAGAAGTGTGATACTAGTCAGAAGGCCAGGAAGTTGGCATTGCAGT
 TACCAGCTCAGGGAGAAGGAAAGAGAGCAGCAGAACTTCTATAGGAGATCCAACGTATG
 TTAACATATGTGGACACCCTCCTGTCCCCGGCCCTTTCTTTTACCCAGATTTGGTATG
 TGGCAAATCTAAACATTTGCAAATTCACAGTCGTATTCAGTCATCCGGCACATTATGAAC
 TTCCACTGGCGATCCCTTTCCACTGCAGAGAAAGTGGTTGTTGCTCCTCGGATATAGTAA
 TCATAATTGTAGGAAATCATGTCCATTTCTCACCATAGTGACCTGGATATTCTGTTGTT
 AGCCAGCAGGAATATGGGCACCTCTTGCTGTAGCGACAACAGTAAAACCTGCCACTCCCGA
 TCCAGCACTGACTCGAAGTAGCGGCTCTGGAATCCTGCCACCAGCCCATTGTTGGAGCAC
 GTCTGGTACCATTCCATGCCAGCCCTGTGATCTCCTCCCACCAGCACTCCGTGGGTTCC
 CCGAGGCTCTGTGGTGTGGGCATGCAGGCGTAGTTCATTGTCTGTCAGAACCTTCCTTC
 TTGCTGAAGATGCTCCTCACGGCCACTATCACCTGCCCCGGGGACACTGGTAGCTGAAG
 CCTTGCCGGTTCAAATTCACCCACCCATCATCGCTGTAGTCATGATACTGCTGGTATGGN
 TATCCATAATCGCCATACTGGCCCCAGCCATGGTGACTAGGGGCAGAAGTACCCAGAG
 AGACTGAGGTCCATGCTGCCTGGGATCCTCGTGCCAATNCGCGGCCGCCAAGGGAGTC
 GTATTACAAATCTGACGGTTACTAACGAGCTCTGCTATTAGACCTCCACGCN

Restriction Sites:

NotI-NotI

ACCN:

NM_001937

Insert Size:

870 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>
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:	<u>NM_001937.3, NP_001928.2</u>
RefSeq Size:	1735 bp
RefSeq ORF:	606 bp
Locus ID:	1805
UniProt ID:	<u>Q07507</u>
Cytogenetics:	1q24.2
Protein Families:	Secreted Protein
Gene Summary:	Dermatopontin is an extracellular matrix protein with possible functions in cell-matrix interactions and matrix assembly. The protein is found in various tissues and many of its tyrosine residues are sulphated. Dermatopontin is postulated to modify the behavior of TGF-beta through interaction with decorin. [provided by RefSeq, Jul 2008]