

Product datasheet for **SC205824**

DPP1 (CTSC) (NM_001814) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: DPP1 (CTSC) (NM_001814) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CTSC
Synonyms: CPPI; DPP-I; DPP1; DPPI; HMS; JP; JPD; PALS; PDON1; PLS
ACCN: NM_001814
Insert Size: 444 bp
Insert Sequence: >SC205824 3'UTR clone of NM_001814
 The sequence shown below is from the reference sequence of NM_001814. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGGCAGCCACACCAATTCCTAAATTGTAGGGTATGCCTCCAGTATTTTCATAATGATCTGCATCAGTT
GTAAAGGGGAATTGGTATATTCACAGACTGTAGACTTTTCAGCAGCAATCTCAGAAGCTTACAAATAGAT
TTCCATGAAGATATTTGTCTTCAGAATTAATACTGCCCTTAATTTAATATACCTTTCAATCGGCCACT
GGCCATTTTTTTCTAAGTATTCAATTAAGTGGGAATTTTCTGGAAGATGGTCAGCTATGAAGTAATAGA
GTTTGCTTAATCATTTGTAATTCAAACATGCTATATTTTTTAAAAATCAATGTGAAAAATAGACTTATT
TTTAAATTGTACCAATCACAAGAAAATAATGGCAATAATTATCAAAACTTTTAAATAGATGCTCATAT
TTTTAAAATAAAGTTTTTAAAAATAACTGCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001814.6](#)



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Summary:

This gene encodes a member of the peptidase C1 family and lysosomal cysteine proteinase that appears to be a central coordinator for activation of many serine proteinases in cells of the immune system. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate heavy and light chains that form a disulfide-linked dimer. A portion of the propeptide acts as an intramolecular chaperone for the folding and stabilization of the mature enzyme. This enzyme requires chloride ions for activity and can degrade glucagon. Defects in the encoded protein have been shown to be a cause of Papillon-Lefevre syndrome, an autosomal recessive disorder characterized by palmoplantar keratosis and periodontitis. [provided by RefSeq, Nov 2015]

Locus ID:

1075

MW:

17