

Product datasheet for **MC227858**

Dcstamp (NM_001289506) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcstamp (NM_001289506) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dcstamp
Synonyms:	4833414I07Rik; DC-STAMP; FIND; mDC-STAMP; Tm7sf4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227858 representing NM_001289506
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCTCTGGACCTTGGGCACCAGTATTTTCCTGAGGCTTTGGGGACTTATGTGTTCCACGAAGCC
 CTAGCTGGCTGGACTTCATCCAGCATTTGGGAGTCTGTTGCTTTGTGGCCTTCCTTCGGTGAGCCCTT
 CTCTGCAGCCTTTTACTGGATCCTGCCACCCGTTGCCCTGCTCTTCTGTCTGGATGATCACCTGTGTT
 TTCCTATGCTGTTCCAAGCGCGCACGATGCTTCATTCTTCTGGCCGTTCTGTCTGTGGCCTCCGTGAAG
 GTAGGAACGCTTTGATTGCGGCTGGCACTGGGGTGTGATCTTTGGACATGTGGAAAATATTTTTATAA
 CTTCAGAGGTCTCCTAGACAGCATGACTTGCAACCTAAGGGCAAAGAGCTTTTCAGTACATTTCCCACTT
 TTTAAACGGTATACTGAAGCCATCCAGTGGATTTACGGCCTTGCCACTCCGCTGAATCTATTTGATGACC
 TTGTTTCTTGAACCAGACTCTGGTGGTCTCTCTTTTAGTCCCAGCCATGCCCTGGAGGCTCATATGAA
 TGACACTAGAGGAGAAGTCTGGGAGTCTGCACCATATGGTGGTCACGACAGAGCTGTTGACTTCCGTG
 GCCAGAAAGTTGCTTGCCCTTGCCGGGCTTCTGCTCATCTAGTACGACTGGCCTTCTCTGAAGCGAT
 TCCTGGGCCCTTGTGGCTGGAAGTATGAGAATGTCTACATCACCAACAATTTGTTTCGGTTTGATGAAAA
 GGAGAGGCACCAACAGCGGCCCTGTGTCCTCCCGCTGAATAAGAAGGAAAGGAAGAAATATGTCATCGTC
 CCATCTTTCAGCTGACTCCTAAGGAGAAGAAAACCTTGGGCTGTTCTTCTTCTGTCCTGACCTATC
 TCTACATGTGGGTGCTGTTTGCCGCTGTGGACTATCTGCTGTATCGGCTCATCTCCTCCATGAACAAACA
 GTTCCAAGCTTGCCAGGGCTGGAAGTTCACCTGAAACTACGTGGAGAGCAAGGAACCAAGGAGTCGTC
 CATGATTCTGCCTTAAATATATCTATGTTTGAACCGAGCTGCATTCTAAACCAGTCTCAGTGTGTCTG
 AGACTTGGGTTCTCTCAGTATTATTCTGTTAACACTAATAACTAGGATTGTTGTCTTCTATGCTGAT
 GCAGCTTAAAATTCTCGTGTGAGTCTCCTTCTACCCCAAAGTGGAGAGGGAGAGAATTGAATACCTGCAT
 GCGAAGCTCCTTGAGAAACGATCAAAGCAGCCATTGAGAGAGGCTGACGGGAAACCGAGCCTGTACTTTA
 AAAAGATTCATTTCTGGTTTCCAGTCTGAAAATGATTAGGAAGAAGCAGACAATCCCTGCAATGAAGA
 TGATCTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001289506
- Insert Size:** 1410 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001289506.1, NP_001276435.1</u>
RefSeq Size:	1996 bp
RefSeq ORF:	1410 bp
Locus ID:	75766
Cytogenetics:	15 B3.1
Gene Summary:	<p>Probable cell surface receptor that plays several roles in cellular fusion, cell differentiation, bone and immune homeostasis. Plays a role in TNFSF11-mediated osteoclastogenesis. Cooperates with OCSTAMP in modulating cell-cell fusion in both osteoclasts and foreign body giant cells (FBGCs). Participates in osteoclast bone resorption. Involved in inducing the expression of tartrate-resistant acid phosphatase in osteoclast precursors. Plays a role in haematopoietic stem cell differentiation of bone marrow cells toward the myeloid lineage. Inhibits the development of neutrophilic granulocytes. Plays also a role in the regulation of dendritic cell (DC) antigen presentation activity by controlling phagocytic activity. Involved in the maintenance of immune self-tolerance and avoidance of autoimmune reactions.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>