

Product datasheet for **MC227312**

Dcstamp (NM_001289512) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dcstamp (NM_001289512) 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
Fully Sequenced ORF: >MC227312 representing NM_001289512
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGCTCTGGACCTTGGGCACCAGTATTTCTGAGGCTTTGGGGACTTATGTGTTCCACGAAGCC
CTAGCTGGCTGGACTTCATCCAGCATTTGGGAGTCTGTTGCTTTGTGGCCTTCCTTCGGTGAGCCTCTT
CTCTGCAGCCTTTACTGGATCCTGCCACCCGTTGCCCTGCTCTCTTCTGTCTGGATGATCACCTGTGTT
TTCTATGCTGTTCCAAGCGCGCACGATGCTTCATTCTTCTGGCCGTTCTGTCTGTGGCCCTCCGTGAAG
GTAGGAACGCTTTGATTGCGGCTGGCACTGGGGTAGTGATCTTTGGACATGTGGAAAATATTTTTATAA
CTTCAGAGGTCTCCTAGACAGCATGACTTGCAACCTAAGGGCAAAGAGCTTTTCAGTACATTTCCCACTT
TTAAAACGGTACTGAAGCCATCCAGTGGATTACGGCCTTGCCACTCCGCTGAATCTATTTGATGACC
TTGTTTCTTGAACCAGACTCTGGTGGTCTCTTTTTAGTCCCAGCCATGCCCTGGAGGCTCATATGAA
TGACACTAGAGGAGAAGTCTGGGAGTCTGCACCATATGGTGGTCACGACAGAGCTGTTGACTTCCGTG
GGCCAGAAGTTGCTTGCCTTGCCGGGCTTCTGCTCATCCTAGTCAGCACTGGCCTCTTCTCTGAAGCGAT
TCCTGGGCCCTTGTGGCTGGAAGTATGAGAATGTCTACATCACCAACAATTTGTTGCGTTTGTATGAAAA
GGAGAGGCACCAACAGCGCCCTGTGCTCCTCCGCTGAATAAGAAGGAAAAGAAATATGTCATCGTC
CCATCTTTGCAGCTGACTCCTAAGGAGAAGAAAACCTTGGGCTGTTCTTCTCTCTGCTGACCTATC
TCTACATGTGGGTGCTGTTTGGCCTGTGGACTATCTGCTGTATCGGCTCATCTCTCCATGAACAAACA
GTTCCAAAGCTTGCCAGGGCTGGAAGTTCACTTGAAACTACGTGGAGAGATTCAATTTCTGTTTCCAGTC
CTGAAAATGATTAGGAAGAAGCAGACAATCCCTGCAAATGAAGATGATCTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289512



Insert Size:	1104 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_001289512.1</u> , <u>NP_001276441.1</u>
RefSeq Size:	1690 bp
RefSeq ORF:	1104 bp
Locus ID:	75766
UniProt ID:	<u>Q7TNJ0</u>
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 (4) lacks an in-frame exon in the 3' coding region compared to variant 1. The encoded isoform (4) is shorter than 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.</p>