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Product datasheet for MC227573

Dcstamp (NM_001289508) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcstamp (NM_001289508) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dcstamp
Synonyms:	4833414I07Rik; DC-STAMP; FIND; mDC-STAMP; Tm7sf4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC227573 representing NM_001289508
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGCTCTGGACCTTGGGCACCAGTATTTTCCTGAGGCTTTGGGGGACTTATGTGTTTCCACGAAGCC
CTAGCTGGCTGGACTTCATCCAGCATTTGGGAGTCTGTTGCTTTGTGGCCTTCCTTTCGGTGAGCCTCTT
CTCTGCAGCCTTTTACTGGATCCTGCCACCCGTTGCCCTGCTCTCTTCTGTCTGGATGATCACCTGTGTT
TTCCTATGCTGTTCCAAGCGCGCACGATGCTTCATTCTTCTGGCCGTTCTGTCGTGTGGCCTCCGTGAAG
GTAGGAACGCTTTGATTGCGGCTGGCACTGGGGTAGTGATCTTTGGACATGTGGAAAATATTTTTTATAA
CTTCAGAGGTCTCCTAGACAGCATGACTTGCAACCTAAGGGCAAAGAGCTTTTCAGTACATTTCCCACTT
TTAAAACGGTATACTGAAGCCATCCAGTGGATTTACGGCCTTGCCACTCCGCTGAATCTATTTGATGACC
TTGTTTCTTGGAACCAGACTCTGGTGGTCTCTCTTTTTAGTCCCAGCCATGCCCTGGAGGCTCATATGAA
TGACACTAGAGGAGAAGTCCTGGGAGTCCTGCACCATATGGTGGTCACGACAGAGCTGTTGACTTCCGTG
GGCCAGAAGTTGCTTGCCCTTGCCGGGCTTCTGCTCATCCTAGTCAGCACTGGCCTCTTCCTGAAGCGAT
TCCTGGGCCCTTGTGGCTGGAAGTATGAGAATGTCTACATCACCAAACAATTTGTTCGGTTTGATGAAAA
GGAGAGGCACCAACAGCGGCCCTGTGTCCTCCCGCTGAATAAGAAGGAAAGGAAGAAATATGTCATCGTC
CCATCTTTGCAGCTGACTCCTAAGGAGAAGAAAACCCTTGGGCTGTTCTTCCTTCCTGTCCTGACCTATC
TCTACATGTGGGTGCTGTTTGCCGCTGTGGACTATCTGCTGTATCGGCTCATCTCCTCCATGAACAAACA
GTTCCAAAGCTTGCCAGGGCTGGAAGTTCACTTGAAACTACGTGGAGAGCTTAAAATTCTCGTGTCAGTC
TCCTTCTACCCCAAAGTGGAGAGGGAGAGAATTGAATACCTGCATGCGAAGCTCCTTGAGAAACGATCAA
AGCAGCCATTGAGAGAGGCTGACGGGAAACCGAGCCTGTACTTTAAAAAGATTCATTTCTGGTTTCCAGT
CCTGAAAATGATTAGGAAGAAGCAGACAATCCCTGCAAATGAAGATGATCTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001289508
Insert Size:	1245 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:	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_001289508.1, NP_001276437.1
RefSeq Size:	1831 bp
RefSeq ORF:	1245 bp
Locus ID:	75766
UniProt ID:	Q7TNJ0
Cytogenetics:	15 B3.1
Gene Summary:	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. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) uses an alternate splice site compared to variant 1. The encoded isoform (3) 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.

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