

Product datasheet for **MC216530**

Dcstamp (NM_029422) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcstamp (NM_029422) 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)



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Fully Sequenced ORF:

>MC216530 representing NM_029422
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGGCTCTGGACCTTGGGCACCAAGTATTTCTGAGGCTTTGGGGACTTATGTGTTCCACGAAGCC
 CTAGCTGGCTGGACTTCATCCAGCATTTGGGAGTCTGTTGCTTTGTGGCCTTCCTTCGGTGAGCCTCTT
 CTCTGCAGCCTTTTACTGGATCCTGCCACCCGTTGCCCTGCTCTCTTCTGTCTGGATGATCACCTGTGTT
 TTCCTATGCTGTTCCAAGCGCGCACGATGCTTCATTCTTCTGGCCGTTCTGTCTGTGGCCTCCGTGAAG
 GTAGGAACGCTTTGATTGCGGCTGGCACTGGGGTGTGATCTTTGGACATGTGGAATAATTTTTTATAA
 CTTAGAGGTCTCTAGACAGCATGACTTGCAACCTAAGGGCAAAGAGCTTTTCAGTACATTTCCCACTT
 TAAAAACGGTACTGAAGCCATCCAGTGGATTTACGGCCTTGCCACTCCGCTGAATCTATTTGATGACC
 TTGTTTCTTGAACCAGACTCTGGTGGTCTCTCTTTTAGTCCCAGCCATGCCCTGGAGGCTCATATGAA
 TGACACTAGAGGAGAAGTCTGGGAGTCTGCACCATATGGTGGTCACGACAGAGCTGTTGACTTCCGTG
 GGCCAGAAAGTTGCTTGCCCTTGCCGGGCTTCTGCTCATCCTAGTCAGCACTGGCCTCTTCTGAAGCGAT
 TCCTGGGCCCTTGTGGCTGGAAGTATGAGAATGTCTACATCACCAACAATTTGTTTCGGTTTGATGAAA
 GGAGAGGCACCAACAGCGGCCCTGTGTCCTCCCGCTGAATAAGAAGGAAAGGAAGAAATATGTCATCGTC
 CCATCTTTGCAGCTGACTCCTAAGGAGAAGAAACCTTGGGCTGTTCTTCTTCTGCTGACCTATC
 TCTACATGTGGGTGCTGTTTGCCGCTGTGGACTATCTGCTGTATCGGCTCATCTCTCCATGAACAAACA
 GTTCCAAAGCTTGCCAGGGCTGGAAGTTCACTTGAACCTACGTGGAGAGAAGCAAGGAACCAAGGAGTC
 GTCCATGATTCTGCCTTTAATATATCTATGTTTGAACCGAGCTGCATTCTAAACCACGTCTCAGTGTGT
 CTGAGACTTGGGTTCTCTCAGTATTATCTGTTAACTAATAATACTAGGATTGTTGTCTTCTATGCT
 GATGCAGCTTAAATTCTCGTGTCACTCTCTTCTACCCAAAGTGGAGAGGGAGAGAATTGAATACCTG
 CATGCGAAGCTCCTTGAGAAACGATCAAAGCAGCCATTGAGAGAGGCTGACGGGAAACCGAGCCTGTACT
 TAAAAAGATTCTTTCTGGTTTCCAGTCTGAAAATGATTAGGAAGAAGCAGACAATCCCTGCAATGA
 AGATGATCTATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_029422

Insert Size:

1413 bp

OTI Disclaimer:

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.

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](#)

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_029422.4, NP_083698.1</u>
RefSeq Size:	1999 bp
RefSeq ORF:	1413 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 (1) represents the longest transcript and encodes the longest 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>