

## 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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216530 representing NM\_029422  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGCTCTGGACCTTGGGCACCAGTATTTCTGAGGCTTTGGGGACTTATGTGTTCCACGAAGCC  
 CTAGCTGGCTGGACTTCATCCAGCATTTGGGAGCTGTTGCTTTGTGGCCTTCCTTCGGTGAGCCTCTT  
 CTCTGCAGCCTTTTACTGGATCCTGCCACCCGTTGCCCTGCTCTTCTGTCTGGATGATCACCTGTGTT  
 TTCCTATGCTGTTCCAAGCGCGCACGATGCTTCATTCTTCTGGCCGTTCTGTCTGTGGCCTCCGTGAAG  
 GTAGGAACGCTTTGATTGCGGCTGGCACTGGGGTAGTGATCTTTGGACATGTGGAAAATATTTTTATAA  
 CTTCAGAGGTCTCTAGACAGCATGACTTGCAACCTAAGGGCAAAGAGCTTTTCAGTACATTTCCCACTT  
 TTTAAACGGTACTGAAGCCATCCAGTGGATTTACGGCCTTGCCACTCCGCTGAATCTATTTGATGACC  
 TTGTTTCTTGAACCAGACTCTGGTGGTCTCTCTTTTAGTCCCAGCCATGCCCTGGAGGCTCATATGAA  
 TGACACTAGAGGAGAAGTCTGGGAGTCTGCACCATATGGTGGTCACGACAGAGCTGTTGACTTCCGTG  
 GCCAGAAAGTTGCTTGGCCTTGCCGGGCTTCTGCTCATCTAGTACGACTGGCCTTCTCTGAAGCGAT  
 TCCTGGGCCCTTGTGGCTGGAAGTATGAGAATGTCTACATCACCAACAATTTGTTCCGGTTTGATGAAA  
 GGAGAGGCACCAACAGCGGCCCTGTGTCCTCCCGCTGAATAAGAAGGAAAGGAAGAAATATGTCATCGTC  
 CCATCTTTCAGCTGACTCCTAAGGAGAAGAAAACCTTGGGCTGTTCTTCTTCTGTCCTGACCTATC  
 TCTACATGTGGGTGCTGTTTGGCCTGTGGACTATCTGCTGTATCGGCTCATCTCTCCATGAACAAACA  
 GTTCCAAGCTTGGCAGGGCTGGAAGTTCACTTGAACACTACGTGGAGAGAAGCAAGGAACCAAGGAGTC  
 GTCCATGATTCTGCCTTTAATATATCTATGTTGAACCGAGCTGCATTCTAAACCACGCTCAGTGTGT  
 CTGAGACTTGGGTTCTCTCAGTATTATCTGTTAACACTAATAACTAGGATTGTTGTCTTCTATGCT  
 GATGCAGCTTAAAATTCTCGTGTACGCTCCTTCTACCCCAAAGTGGAGAGGGAGAGAATTGAATACCTG  
 CATGCGAAGCTCCTTGAGAAACGATCAAAGCAGCCATTGAGAGAGGCTGACGGGAAACCGAGCCTGTACT  
 TTTAAAAGATTCTTTCTGGTTCCAGTCTGAAAATGATTAGGAAGAAGCAGACAATCCCTGCAAATGA  
 AGATGATCTATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**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](mailto: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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_029422.4</a></u> , <u><a href="#">NP_083698.1</a></u>
<b>RefSeq Size:</b>	1999 bp
<b>RefSeq ORF:</b>	1413 bp
<b>Locus ID:</b>	75766
<b>UniProt ID:</b>	<u><a href="#">Q7TNJ0</a></u>
<b>Cytogenetics:</b>	15 B3.1
<b>Gene Summary:</b>	<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>