

Product datasheet for **MG224544**

Dcstamp (NM_029422) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcstamp (NM_029422) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dcstamp
Synonyms:	4833414I07Rik; DC-STAMP; FIND; mDC-STAMP; Tm7sf4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG224544 representing NM_029422
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGGCTCTGGACCTTGGCACCAAGTATTTCTGAGGCTTTGGGGACTTATGTGTTCCACGAAGCC
 CTAGCTGGCTGGACTTCATCCAGCATTTGGGAGTCTGTTGCTTTGTGGCCTTCCTTCGGTGAGCCTCTT
 CTCTGCAGCCTTTTACTGGATCCTGCCACCCGTTGCCCTGCTCTTCTGTCTGGATGATCACCTGTGTT
 TTCCTATGCTGTTCCAAGCGCGCACGATGCTTCATTCTTCTGGCCGTTCTGTCTGTGGCCTCCGTGAAG
 GTAGGAACGCTTTGATTGCGGCTGGCACTGGGGTGTGATCTTTGGACATGTGGAAAATATTTTTATAA
 CTTCAGAGGTCTCTAGACAGCATGACTTGCAACCTAAGGGCAAAGAGCTTTTCAGTACATTTCCCACTT
 TAAAAACGGTAACTGAAGCCATCCAGTGGATTTACGGCCTTGCCACTCCGCTGAATCTATTTGATGACC
 TTGTTTCTTGAACCAGACTCTGGTGGTCTCTCTTTTAGTCCCAGCCATGCCCTGGAGGCTCATATGAA
 TGACACTAGAGGAGAAGTCTGGGAGTCTGCACCATATGGTGGTCACGACGGAGCTGTTGACTTCCGTG
 GGCAGAAAGTTGCTTGGCCTTGCCGGGCTTCTGCTCATCTAGTACGACTGGCCTCTTCTGAAGCGAT
 TCCTGGGCCCTTGTGGCTGGAAGTATGAGAATGTCTACATCACCAACAATTTGTTCCGGTTTGATGAAAA
 GGAGAGGCACCAACAGCGGCCCTGTGTCCTCCCCTGAATAAGAAGGAAAGGAAGAAATATGTCATCGTC
 CCATCTTTCAGCTGACTCCTAAGGAGAAGAAAACCTTGGGCTGTTCTTCTTCTGTCCTGACCTATC
 TCTACATGTGGGTGCTGTTTGGCCTGTGGACTATCTGCTGTATCGGCTCATCTCTCCATGAACAAACA
 GTTCCAAAGCTTGGCAGGGCTGGAAGTTCACTTGAACACTCGTGGAGAGAAGCAAGGAACCAAGGAGTC
 GTCCATGATTGCGCTTAAATATATCTATGTTGAACCGAGCTGCATTCTAAACCACGCTCAGTGTGT
 CTGAGACTTGGGTTCTCTCAGTATTATCTGTTAACACTAATAACTAGGATTGTTGTCTTCTATGCT
 GATGCAGCTTAAAATTCTCGTGTGAGTCTCCTTCTACCCAAAGTGGAGAGGGAGAGAATTGAATACCTG
 CATGCGAAGCTCCTTGAGAAACGATCAAAGCAGCCATTGAGAGAGGCTGACGGGAAACCGAGCCTGTACT
 TAAAAAGATTCAATTTCTGGTTCCAGTCTGAAAATGATTAGGAAGAAGCAGACAATCCCTGCAAATGA
 AGATGATCTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG224544 representing NM_029422
 Red=Cloning site Green=Tags(s)

MRLWTLGTSIFLRLWGTYVFPSPSWLDFIQHLGVCCFVAFVSVSLFSAAFYWILPPVALLSSVWMITCV
 FLCCSKRARCIFILLAVLSCGLREGRNALIAAGTGVIIFGHVENIFYNFRGLLDSMTCNLRAKSFVHFPL
 LKRYTEAIQWIYGLATPLNLFDDLVSWNQTLVVSFLFSPSHALEAHMNDTRGEVLGVLHMMVVTTELLTSV
 GQKLLALAGLLLILVSTGLFLKRFLGPCGWKYENVYITKQVRFDEKERHQRPCVPLPNKKERKKYVIV
 PSLQLTPKEKTLGLFFLPVLTLYLWVWVFAAVDYLLYRLISSMNKQFQSLPGLLEVHLKLRGEKQGTQGV
 VHDSAFNISMFEPCIPKRLSVSETWVPLSIIILLIILGLLSSMLMQLKILVSVSFYPKVERERIEYL
 HAKLLEKRSKQPLREADGKPSLYFKKIHFWFVPLKMIKKQTIPANEDDL

TRTRPLE – GFP Tag – V

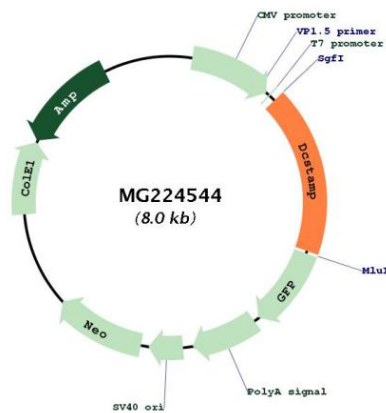
Restriction Sites:

Sgfl-Mlul

RefSeq: [NM_029422.3, NP_083698.1](#)
RefSeq Size: 1993 bp
RefSeq ORF: 1413 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]

Product images:



Circular map for MG224544