

Product datasheet for **MG202488**

Clec4d (NM_010819) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Clec4d
Synonyms:	Clecsf8; mcl; Mpcl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG202488 representing NM_010819
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTGGCTGGAAGAATCCCAAATGAAATCAAAGGTACCCGACATCCCAACTGATCCCTTGCCTTTCG
CTGTTGTTCCATCTCGTTCCTTAGTGCTTGTATTTCAACTGTTTGGTGACTCATCTACTTTTT
ACGCTGGAGAGAGGAAGTGTGGTAAACTGTCAGACTACCACACGAGAGTAACGTGCATCCGAGAGGAG
CCACAGCCTGGAGCTACAGGAGTACTTGGACCTGCTGTCTGTTAGCTGGAGAGCCTCCAGCTAACT
GTTACTTTCTCTTAATGACAACCAGACCTGGCATGAGAGCGAGAGGAAGTCTCAGGGATGAGCAGTCA
TCTGGTGACCATCAACCCGAAGCAGAACAATTTGTGACCCAGCTTTGGATAAACGGTTTTCTTAT
TTCCTGGGACTTGTGATGAGAATGTGGAAGGCCAATGGCAGTGGGTGGACAAGACGCCATTTAACCCAC
ACACGGTATTCTGGGAAAAGGGGAATCCAATGACTTTATGGAAGAAGACTGTGTTGCTTGTTCATGT
CCATGAAAAATGGGTCTGGAATGACTTTCTTGTCACTTTGAGGTGAGAAGGATTTGTAATTACCTGGA
ATAACATTC AATTGGAAGCCCTCGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202488 representing NM_010819
Red=Cloning site Green=Tags(s)

MWLEESQMKSGTRHPQLIPCVFAVVISIFLSACFISTCLVTHHYFLRWTRGSVVKLSDYHTRVTCIREE
PQPATGGTWTCCPVSWRAFQSNCFPLNDNQTWHESEARNCSGMSSHLVTINTEAEQNFVTQLLDRFSY
FLGLADENVEGQWQWVDKTPFNPHTVFWEKGESNDFMEEDCVLVHVEKWWNDPCHFEVRRICKLPG
ITFNWKPSK

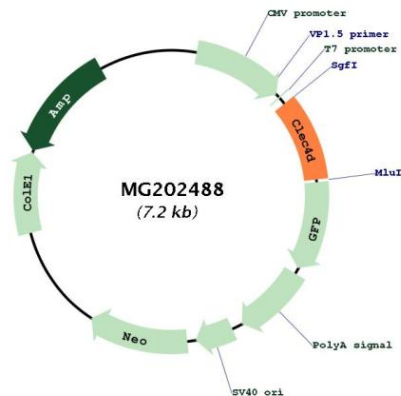
TRTRPLE - GFP Tag - V



RefSeq Size:	1324 bp
RefSeq ORF:	660 bp
Locus ID:	17474
UniProt ID:	Q9Z2H6
Cytogenetics:	6 58.33 cM

Gene Summary: A calcium-dependent lectin involved in innate recognition of pathogen-associated molecular patterns (PAMPs). Interacts with signaling adapter Fc receptor gamma chain/FCER1G, likely via CLEC4E, to form a functional complex in antigen presenting cells. Binding of mycobacterial trehalose 6,6'-dimycolate (TDM) to this receptor complex leads to phosphorylation of the immunoreceptor tyrosine-based activation motif (ITAM) of FCER1G, triggering activation of SYK, CARD9 and NF-kappa-B, consequently driving maturation of antigen-presenting cells and shaping antigen-specific priming of T-cells toward effector T-helper 1 and T-helper 17 cell subtypes (PubMed:23602766). Functions as an endocytic receptor. May be involved in antigen uptake at the site of infection, either for clearance of the antigen, or for processing and further presentation to T-cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202488