

Product datasheet for **RG207907**

CLEC10A (NM_182906) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC10A (NM_182906) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLEC10A
Synonyms:	CD301; CLECSF13; CLECSF14; HML; HML2; MGL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207907 representing NM_182906 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAAGGACGTATGAAAACCTCCAGTACTTGGAGAATAAGGTGAAAGTCCAGGGGTTAAAAATGGGC
CACTTCTCTCCAGTCCCTCCTGCAGCGTCTCTGCTCTGGGCCCTGCCATCTCTGCTGTCCCTGGGCCT
CGGCCTCTGCTGCTGGTCATCATCTGTGTGGTTGGATTCCAAAATTCAAAATTCAGAGGGACCTGGTG
ACCCTGAGAACAGATTTTAGCAACTTCACCTCAAACACTGTGGCGGAGATCCAGGCACTGACTTCCAGG
GCAGCAGCTTGAAGAAACGATAGCATCTCTGAAAGCTGAGGTGGAGGGTTTCAAGCAGGAACGGCAGGC
AGGGGTATCTGAGCTCCAGGAACACACTACGCAGAAGGCACACCTAGGCCACTGTCCCCTGCCATCT
GTGTGTGTCCCAGTTCATTCTGAAATGCTCCTGCGAGTCCAGCAGCTGGTGCAAGACCTGAAGAACTGA
CCTGCCAGGTGGCTACTCTCAACAACAATGCCTCCACTGAAGGGACCTGTGCCCTGTCAACTGGGTGGA
GCACCAAGACAGCTGCTACTGGTTCTCTCACTCTGGGATGTCTGGGCCGAGGCTGAGAAGTACTGCCAG
CTGAAGAACGCCACCTGGTGGTCATCAACTCCAGGGAGGAGCAGAATTTGTCCAGAAATATCTGGGCT
CCGCATACACCTGGATGGCCTCAGTGACCCTGAAGGAGCCTGGAAGTGGTGGTGAACAGACTATGC
GACCGGCTTCCAGAACTGGAAGCCAGGCCAGCCAGCAGTGGCAGGGGCACGGGCTGGGTGGAGGCGAG
GACTGTGCTCACTTCCATCCAGACGGCAGGTGGAATGACGACGTCTGCCAGAGCCCTACCACTGGGTCT
CGGAGGCTGGCCTGGGTGAGCCAGCCAGGAGATCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207907 representing NM_182906
Red=Cloning site Green=Tags(s)

MTRTYENFQYLENKVKVQGFKNGLPLQLLQRLCSGPCHLLLSLGLGLLLLVIICVVGFQNSKFQRDLV
 TLRTDFSNFTSNTVAEQALTSQSSLEETIASLKAIEGFKQERQAGVSELQEHTTQKAHLGHCPCPS
 VCVPVHSEMLLRVQQLVQDLKLLTCQVATLNNNAETGTCPPVNVVEHQDSCYWF SHSGMSWAEAEKYCQ
 LKNAHLVVINSREEQNFVQKYLGSAYTWMGLSDPEGAWKWDGTDYATGFQNWKPGQPDWQGHGLGGGE
 DCAHFHPDGRWNDDVVCQRPYHWVCEAGLGQTSQESH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182906

ORF Size: 948 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_182906.1](#)

RefSeq Size: 1788 bp

RefSeq ORF: 951 bp

Locus ID: 10462

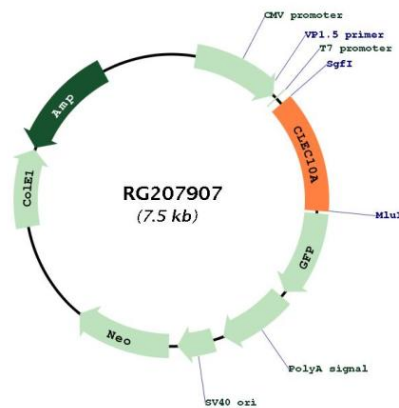
UniProt ID: [Q8IUUN9](#)

Cytogenetics: 17p13.1

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type 2 transmembrane protein may function as a cell surface antigen. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207907