

Product datasheet for **SC312828**

CLEC10A (NM_006344) Human Untagged Clone

Product data:

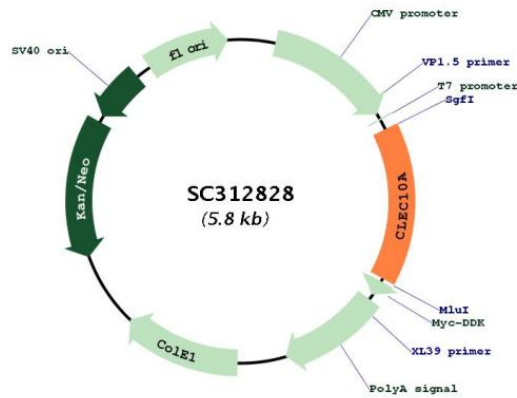
Product Type:	Expression Plasmids
Product Name:	CLEC10A (NM_006344) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLEC10A
Synonyms:	CD301; CLECSF13; CLECSF14; HML; HML2; MGL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312828 representing NM_006344. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGACAAGGACGTATGAAAACTTCCAGTACTTGGAGAATAAGGTGAAAGTCCAGGGGTTTAAAAATGGG
CCACTTCTCTCCAGTCCCTCCTGCAGCGTCTCTGCTCTGGGCCCTGCCATCTCCTGCTGTCCCTGGGC
CTCGGCCCTCTGCTGCTGGTCATCATCTGTGTGGTTGGATTCCAAAATTCAAAATTTAGAGGGACCTG
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CAGGGCAGCAGCTTGAAGAAACGATAGCATCTCTGAAAGCTGAGGTGGAGGTTTCAAGCAGGAACGG
CAGGCAGTTCATTCTGAAATGCTCCTGCGAGTCCAGCAGCTGGTGAAGACCTGAAGAAACTGACCTGC
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TGCCAGCTGAAGAACGCCACCTGGTGGTCACTCACTCCAGGGAGGAGCAGAATTTGTCCAGAAATAT
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GGAGGCGAGGACTGTGCTCACTTCCATCCAGACGGCAGGTGGAATGACGACGTCTGCCAGAGGCCCTAC
CACTGGTCTGCGAGGCTGGCCTGGGTGAGACAGCCAGGAGAGTCACTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_006344

Insert Size: 879 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_006344.2](#)

RefSeq Size: 1716 bp

RefSeq ORF: 879 bp

Locus ID: 10462

UniProt ID: [Q8IUN9](#)

Cytogenetics: 17p13.1

Domains: CLECT, lectin_N

Protein Families: Transmembrane

MW: 32.9 kDa

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]
Transcript Variant: This variant (2) lacks an in-frame segment of the coding region, compared to variant 1. It encodes a shorter isoform (2), compared to isoform 1.