

Product datasheet for **RG224937**

CLECSF6 (CLEC4A) (NM_016184) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLECSF6 (CLEC4A) (NM_016184) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLEC4A
Synonyms:	CD367; CLECSF6; DCIR; DDB27; HDCGC13P; hDCIR; LLIR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224937 representing NM_016184 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTCGAAATCACTTATGCTGAAGTGAAGTTCAAAAATGAATTCAGTCCTCAGGCATCAACACAG
CCTCTTCTGCAGCTTCCAAGGAGAGGACTGCCCTCTCAAAGTAATACCGGATCCCAAGCTGCTTTG
TGCCCTCACTGTTGATATTTTCTGCTATTGGCAATCTCATTCTTTATTGCTTTTGTCAATTTCTTTCAA
AAATATTCTCAGCTTCTGAAAAAAGACTACAAAAGAGCTGGTTCATACAACATTGGAGTGTGTGAAAA
AAAATATGCCCGTGAAGAGACAGCCTGGAGCTGTGCCAAAGAATTGGAAGTCATTTAGTTCCAAGT
CTACTTTATTTCTACTGAATCAGCATCTTGCCAAGACAGTGAGAAGGACTGTGCTAGAATGGAGGCTCAC
CTGCTGGTGATAAACACTCAAGAAGAGCAGGATTTTCATCTCCAGAATCTGCAAGAAGAATCTGCTTATT
TTGTGGGGCTCTCAGATCCAGAAGGTCAGCGACATTGGCAATGGGTTGATCAGACACCATACAATGAAA
TTCCACATTCTGGCATCCACGTGAGCCAGTGATCCCAATGAGCGCTGCGTTGTGCTAAATTTTCGTA
TCACCCAAAAGATGGGGCTGGAATGATGTTAATTGTCTTGGTCTCAAAGGTCAGTTTGTGAGATGATGA
AGATCCACTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG224937 representing NM_016184
Red=Cloning site Green=Tags(s)

MTSEITYAEVRFKNEFKSSGINTASSAASKERTAPLKSNTGFPKLLCASLLIFFLLLAISFFIAFVIFQ
 KYSQLEKKTTELVHTTLECVKKNMPVEETAWSCCPKNWKSFSSNCYFISTESASWQDSEKDCARMEAH
 LLVINTQEEQDFIFQNLQEESAYFVGLSDPEGQRHWQVVDQTPYNESSTFWHPREPSDPNERCVLNFRRK
 SPKRWGWNDVNCLGPQRSVCEMMKIHLL

TRTRPLE - GFP Tag - V

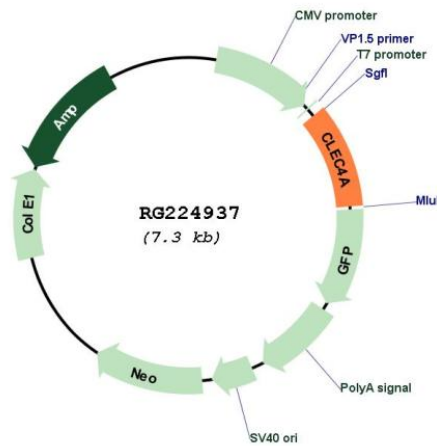
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_016184

ORF Size: 711 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:	<ol style="list-style-type: none">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_016184.2 , NP_057268.1
RefSeq Size:	1291 bp
RefSeq ORF:	714 bp
Locus ID:	50856
UniProt ID:	Q9UMR7
Cytogenetics:	12p13.31
Domains:	CLECT
Protein Families:	Druggable Genome, 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 play a role in inflammatory and immune response. Multiple transcript variants encoding distinct isoforms have been identified for this gene. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. [provided by RefSeq, Jul 2008]