

Product datasheet for **RG221680**

CLEC2D (NM_001004419) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLEC2D (NM_001004419) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CLEC2D
Synonyms: CLAX; LLT1; OCIL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221680 representing NM_001004419
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCATGACAGTAACAATGTGGAGAAAGACATTACACCATCTGAATTGCCTGCAAACCCAGGTTGTCTGC
 ATTCAAAAGAGCATTCTATTAAGCTACCTTAATTTGGCGCTTATTTTCTTAATCATGTTTCTGACAAT
 CATAGTGTGTGGAATGGTTGCTGCTTAAAGCGCAATAAGAGCTAACTGCCATCAAGGCCATCAGTATGT
 CTTCAAGCTGCATGCCAGAAAGCTGGATTGGTTTTCAAAGAAAGTGTTCATTTTTCTGATGACACCA
 AGAACTGGACATCAAGTCAGAGTTTTGTGACTACAAGATGCTGATCTTGCTCAGGTTGAAAGCTCCA
 GGAAGTGAATTTCTGTTGAGATATAAAGGCCCATCTGATCACTGGATTGGCTGAGCAGAGAACAAGGC
 CAACCATGGAAATGGATAAATGGTACTGAATGGACAAGACAGTTAGTCATGAAAGAAGATGGTGCCAAT
 TGTATGTTGCAAAGGTTTACAAGTTCCTCGAATGAATCCAAGACCTGTCATGGTTTCTATCCTGGGAG
 CAGGAGAGTGTGCCTATTTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG221680 representing NM_001004419
 Red=Cloning site Green=Tags(s)

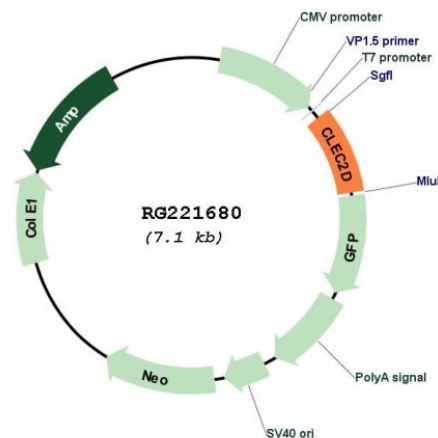
MHDSNNVEKDITPSEL PANPGCLHSKEHSIKATLIWRLFFLIMFLTIIIVCGMVAALS AIRANCHQEPSVC
 LQAACPESWIGFQRKCFYFSDDTKNWTSQRFCDSQDADLAQVESFQELNFLRLRYKGPSDHWIGLSREQG
 QPWKWIWTEWTRQLVMKEDGANLYVAKVSQVPRMNPVVMVSYPGSRRVCLFE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001004419

ORF Size: 582 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_001004419.5](#)

RefSeq Size: 1821 bp

RefSeq ORF: 585 bp

Locus ID: 29121

UniProt ID: [Q9UHP7](#)

Cytogenetics: 12p13.31

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a member of the natural killer cell receptor C-type lectin family. The encoded protein inhibits osteoclast formation and contains a transmembrane domain near the N-terminus as well as the C-type lectin-like extracellular domain. Several alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Oct 2010]