

Product datasheet for **RG213794**

CLEC2D (NM_013269) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLEC2D (NM_013269) 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: >RG213794 representing NM_013269
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCATGACAGTAACAATGTGGAGAAAGACATTACACCATCTGAATTGCCTGCAAACCCAGGTTGTCTGC
ATTCAAAAGAGCATTCTATTAAGCTACCTTAATTTGGCGCTTATTTTCTTAATCATGTTTCTGACAAT
CATAGTGTGTGGAATGGTTGCTGCTTAAAGCGCAATAAGAGCTAACTGCCATCAAGAGCCATCAGTATGT
CTTCAAGCTGCATGCCAGAAAGCTGGATTGGTTTTCAAAGAAAGTGTCTATTTTTCTGATGACACCA
AGAACTGGACATCAAGTCAGAGTTTTGTGACTACAAGATGCTGATCTTGCTCAGGTTGAAAGCTCCA
GGAAGTGAATTTCTGTTGAGATATAAAGGCCATCTGATCACTGGATTGGCTGAGCAGAGAACAAGGC
CAACCATGGAAATGGATAAATGGTACTGAATGGACAAGACAGTTTCTATCCTGGGAGCAGGAGAGTGTG
CCTATTTGAATGACAAAGGTGCCAGTAGTGCCAGGCACTACACAGAGAGGAAGTGGATTTGTTCAAATC
AGATATACATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213794 representing NM_013269
 Red=Cloning site Green=Tags(s)

MHDSNNVEKDITPSEL PANPGCLHSKEHSIKATLIWRLFFLIMFLTIIVCGMVAALS AIRANCHQEPSVC
LQAACPE SWIGFQRKCFYFSDDTKNWTSQRFCDSQDADLAQVESFQELNFLRLRYKGPSDHWIGLSREQG
QPWKWINGTEWTRQFPILGAGECAYLNDKGASSARHYTERKWICKSDIHV

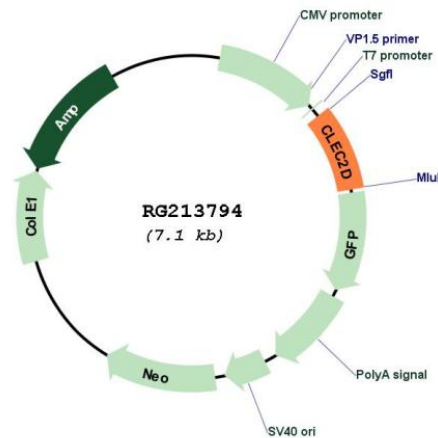
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_013269

ORF Size: 573 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_013269.6](#)

RefSeq Size: 1739 bp

RefSeq ORF: 576 bp

Locus ID: 29121

UniProt ID: [Q9UHP7](#)

Cytogenetics: 12p13.31

Domains: CLECT

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]