

Product datasheet for **RG234427**

CLEC4F (NM_001258027) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC4F (NM_001258027) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLEC4F
Synonyms:	CLECSF13; KCLR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234427 representing NM_001258027
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGGTGAGGCAGTCCGCTTCTGCACAGATAACCAAGTGTGTCTCCCTGCACCCCAAGAGGTGGACT
 CTGTGGCAATGGCTCCTGCAGCCCCAAGATACCGAGGCTCGTTACGGCTACCCCGCATTTATGGCTGT
 GACCTTGGTCTTCTCTCTGTGACTCTCTTTGTAGTGGTTCAACAGCAGACAAGACCTGTTCCGAAGCCT
 GTGCAAGCCGTAATTCTGGGAGACAACATTACTGGGCATTTACCTTTGAACCAACAATCATCACCCT
 TTGGCAGGGAGGCAGAAATGCGAGAGCTTATCCAGACATTTAAAGGCCACATGGAGAATTCAGTGCCTG
 GGTAGTAGAAATCCAGATGTTGAAGTGCAGAGTGGACAATGTCAATTCGCAGCTCCAGGTGCTCGGTGAT
 CATCTGGGAAACCAATGCTGACATCCAGATGGTAAAGGAGTTCTAAAGGATGCCACTACATTGAGTT
 TGCAGACACAGATGTTAAGGAGTCCCTGGAGGGAACCAATGCTGAGATCCAGAGGCTCAAGGAAGACCT
 TGAAAAGGCAGATGCTTTAACTTTCCAGACGCTGAATTTCTTAAAAAGCAGTTTAGAAAACACCAGCATT
 GAGCTCCACGTGCTAAGCAGAGGCTTAGAAAATGCAAACTCTGAAATTCAGATGTTGAATGCCAGTTTGG
 AAACGGCAAAATACCCAGGCTCAGTTAGCCAATAGCAGTTTAAAGAACGCTAATGCTGAGATCTATGTTTT
 GAGAGGCCATCTAGATAGTGTCAATGACTTGAGGACCCAGAACCAGGTTTTAAGAAATAGTTTGAAGGA
 GCCAATGCTGAGATCCAGGGACTAAAGGAAAATTTGCAGAACACAAATGCTTTAACTCCAGACCCAGG
 CCTTTATAAAAAGCAGTTTTGACAACACTAGTGTGAGATCCAGTTCTTAAGAGGTCAATTTGAAAGAGC
 TGGTGTAGAAATTCACGTGTTAAAAAGGGATTTGAAAATGGTACAGCCCAGACCCAAAAAGCAAATGGC
 CGTCTGGACCAGACAGATACTCAGATTCAGGTATTCAAGTCAGAGATGGAAAATGTGAATACCTTAAATG
 CCCAGATTCAGGTCTTAAATGGTCATATGAAAATGCCAGCAGAGAGATACAGACCCTAAAACAAGGAAT
 GAAGAATGCTTCAGCCTTAACCTCCAGACCCAGATGTTAGACAGCAATCTGCAGAAGGCCAGTGCCGAG
 ATCCAGAGGTTAAGAGGGGATCTAGAGAACACCAAGCTCTAACCATGGAATCCAGCAGGAGCAGAGTC
 GCCTGAAGACCTCCATGTGGTCATTACTTCACAGGAACAGCTACAAAGAACCCAAAGTCAGCTTCTCCA
 GATGGTCTGCAAGGCTGGAAGTTCAATGGTGAAGCTTATATTATTTTCTAGTGTCAAGAAGTCTTGG
 CATGAGGCTGAGCAGTTCTGCGTGTCCAGGGAGCCCCTGCGCATCTGTGGCTCCAAGGAGGAGCAGG
 CATTTCTGGTAGAGTTCACAAGTAAAGTGTACTACTGGATCGGTCTCACTGACAGGGGCACAGAGGGCTC
 CTGGCGCTGGACAGATGGGACACCATTCAACGCCGCCAGAACAAAGCGGCCACTAGGGGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

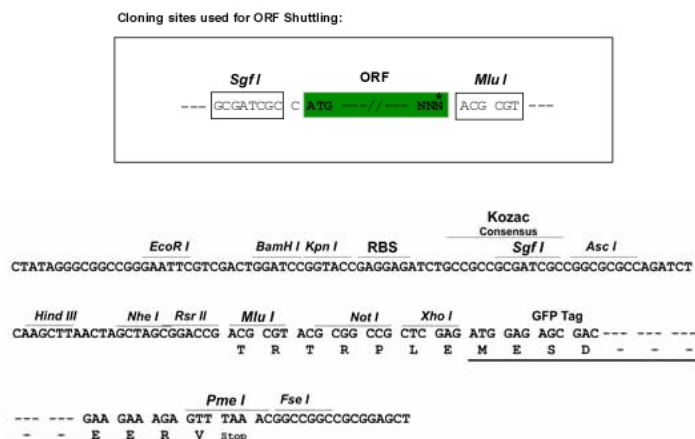
>RG234427 representing NM_001258027
 Red=Cloning site Green=Tags(s)

MDGEAVRFCTDNQCVSLHPQEVDVSAMAPAAPKIPRLVQATPAFMAVTLVFSLVTLFVVVQQQTRPVPKP
 VQAVILGDNITGHLPEFPNNHHFGREAMRELIQTFKGHMENSASVVEIQMLKCRVDNVNSQLQVLGD
 HLGNTNADIQMVKGVLKDATTLSLQTQMLRSSLEGTNAEIQRLEKEDLEKADALTFQTLNFKSSLENTSI
 ELHVL SRGLENANSEIQMLNASLETANTQAQLANSSLNANAEIYVLRGHLDSVNDLRTQNQVLRNSLEG
 ANAEIQGLKENLQNTNALNSQTQAFIKSSFNTSAEIQLRGLERAGDEIHVLKRDLMVTAQTQKANG
 RLDQTDQIQVFKSEMENVNTLNAQIQVLNGHMKNASREIQLKQGMKNASALTSQTQMLDSNLQKASAE
 IQRLRGDLENTKAL TMEIQEQSRLKTLHVITSQEQLQRTQSLLQMLVQGWKFNGGSLYYFSSVKKSW
 HEAEQFCVSQGAHLASVASKEEQAFLEFTSKVYWIWGLTDRGTEGSRWTDGTPFNAAQNKAATRG

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001258027

ORF Size: 1671 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_001258027.2](#)

RefSeq Size: 2302 bp

RefSeq ORF: 1674 bp

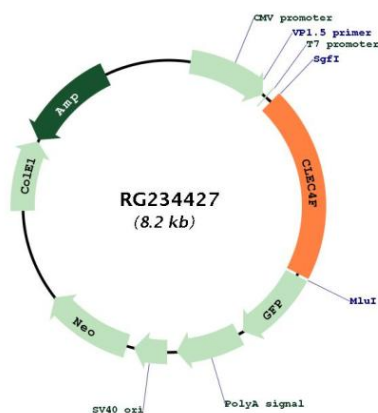
Locus ID: 165530

Cytogenetics: 2p13.3

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Receptor with an affinity for galactose and fucose. Could be involved in endocytosis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234427