

Product datasheet for **RC225679**

FLACC1 (NM_001127391) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLACC1 (NM_001127391) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FLACC1
Synonyms:	ALS2CR12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC225679 representing NM_001127391
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACCCCAACCCTCTCATCTACTGCACCTGCTGGGACCCTGGAAGTTGGGACCACGGAAGCTAATCA
 AGACCCCTCAACTACCACGCAAGAACTCCACAGGGAGTTCCAAGCTAACTCCTTCTACCAGCTCCAAA
 AAATCACAAATTACCTCCAACCAACAAAACCTGTTGTTTCCCAAAAATGAAAATCCATTCAGCAAGGCAA
 GAAGAGACTAATAAATCATTTTATGAAGTGATCAACGTGTACCTGGCTATCAACTTGTTGCGAATCGGG
 AACAGATTTCTGTACCTTAGGGGATGAGATGTTTGATAGGAAAAAGCGGTGGGAATCGGAGATCCCGGA
 CAAAGGCAGATTTCCAGGACCAACATCATTTCTGACCTAGAAGAGCAAATCTCAGAGCTGACAGCAATA
 ATTGAACAAATGAACAGAGACCACAGTCTGCCAGAAAATGCTCTCCAGTGAAATGGATCTCCGCTGTG
 CTGAGATGAAACAGAAGTTTGAACAAGAAGAGGAGCTCAAAGAGGCCATGAAGCAGAAGCTCAGTGA
 GTTGGAGAACAACATAAAGCAGCCTTGAAGGCAGAGAAGTTGGCTGCCAAGAGAAGCTAGAGGAGATG
 GAAAAAGAATACAAGTATTTGAAGAATATGTTTCTGTACGTATCAGGACAGTATTTATGATGAAATGGAA
 AGAAGTGGTCAAAACAGAAGCGCAAATGGAAGAAGGATGAGAAGTTGAGCGGAGAAAAATATCCTGTACA
 GCAAAAAAAGATGACCAAAAAATTCGAAATGGAGTCAGGAGAAGAAGATAAGAAAAATAATGAATCC
 TGCAGTGTCTTTGAGAACTTCAATCAAGAGAAGGAGGAGCTCTTGAACAACATCAAAGTGACACCT
 TGCAATTAGAAGAGCTGAGAAAAACCAAGAGGTCATGCAGGAAGAATTGCATGCACAAGCCCTTATCCT
 AGAGTCACTGAACACAAACCTCTACTATACCCAGTTGGAAGTCCAGAAAGAGAAAGCTATAGTGGAAAT
 CTGGAGAAAATGCTTCAAACCAAGTTGCTGAAACTGAAGAAAAGTATAAGCACACCATACAGATCTGA
 CGGAAGAGAACATTCATCTGAAGCAAAAGATAATTTCTAAGAATGAAGAAATTTGTGAAGGATGTTCTGG
 GAGATTGGCCTCTATTACTGTTTCTAAGGATGATTCTGACACTGTGCAAGATGGTAGCAAGAAAGGACAA
 GAATCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225679 representing NM_001127391
 Red=Cloning site Green=Tags(s)

MYPNPLIYCTCWDPNLGPRLIKTPQLPRKNSTGSSKLTPLLPAPKNHNYLQPTKPVVSPKMKIHSARQ
 EETNKSFYEVINVSPGYQLVRNREQISVTLGDEMFDKRRWESEIPDKGRFSRTNIISDLEEQISELTAI
 IEQMNRDHQSAQKLLSSEMDLRCAEMKQNFENKNRELKEAHEAELSELENNYKAALKAELAAQEKLEEM
 GKEYKYLKMFRTYQDSIYDEMEEKWSKQKAKWKKDEKFERENILLQKKKMTKKFEMESGEEDKKINES
 CSAVFENFIQEKEELLKQHQSRTLQLEELRKTKEVMQEELHAQALILESLNTNLYYTQLELQKEKAIVGN
 LEKMLQTKFAETEEKYKHTIQILTEENIHLKQKIISKNEEICEGCSGRLASITVSKDSDTVQDGSKKGG
 ES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001127391

ORF Size: 1266 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.

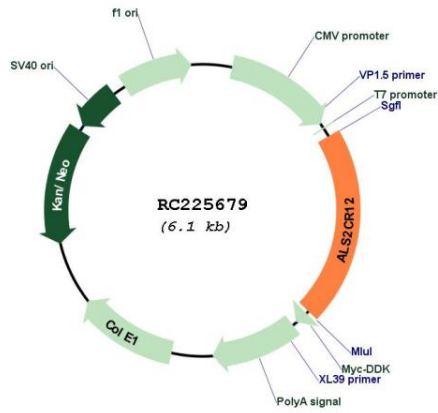
RefSeq: [NM_001127391.3](#)
RefSeq ORF: 1269 bp

Locus ID: 130540

UniProt ID: [Q96Q35](#)
Cytogenetics: 2q33.1

MW: 49.3 kDa

Product images:



Circular map for RC225679