

Product datasheet for **RG206494**

CD5 (NM_014207) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD5 (NM_014207) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD5
Synonyms:	LEU1; T1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206494 representing NM_014207
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCATGGGGTCTCTGCAACCGCTGGCCACCTTGACCTGCTGGGGATGCTGGTTCCTGCCTCG
 GACGGCTCAGCTGGTATGACCCAGATTTCCAGGCAAGGCTCACCCGTTCCAAGTGCAGAGGCCA
 GCTGGAGGTCTACCTCAAGGACGGATGGACATGGTTTGACGCCAGAGCTGGGGCCGGAGCTCCAAGCAG
 TGGGAGGACCCAGTCAAGCGTCAAAGTCTGCCAGCGGCTGAAGTGTGGGGTGCCTTAAGCCTTGGCC
 CCTTCTTGTCACCTACACACCTCAGAGCTCAATCATCTGCTACGGACAAGTGGGCTCCTTCCAAGT
 CAGCCACAGCAGAAATGACATGTGTCACTCTCTGGGCCTGACCTGCTTAGAACCCAGAAGACAACCT
 CCAACGACAAGGCCCCCGCCACCACAAGTCCAGAGCCACAGCTCCTCCAGGCTGCAGCTGGTGGCAC
 AGTCTGGCGGCCAGCACTGTGCCGGCTGGTGGAGTTCTACAGCGGCAGCCTGGGGGTACCATCAGCTA
 TGAGGCCAGGACAAGACCCAGGACCTGGAGAATTCTCTGCAACAACCTCCAGTGTGGCTCCTTCTTG
 AAGCATCTGCCAGAGACTGAGGCAGGCAGAGCCCAAGACCCAGGGGAGCCACGGGAACACAGCCCTTGC
 CAATCCAATGGAAGATCCAGAATCAAGCTGTACTCCCTGGAGCATTGCTTACAGAAAAACAAGCCCCA
 GAAAAGTGGCCGAGTTCTTGCCCTCCTTTGCTCAGGTTTCCAGCCCAAGGTGCAGAGCCGTCTGGTGGG
 GGCAGCAGCATCTGTGAAGGCACCGTGGAGGTGCCAGGGGGCTCAGTGGGAGCCCTGTGTGACAGCT
 CTTACAGCAGGAGCTCGTGCCTGGGAGGAGTGTGCCGGGAGCAGCAGTGTGGCAGCGTCAACTCCTA
 TCGAGTGTGGACGCTGGTGACCAACATCCCGGGGGCTCTTCTGTCCCATCAGAAGCTGTCCAGTGC
 CACGAATTTGGGAGAGAAATTCCTACTGCAAGAAGGTGTTTGTACATGCCAGGATCCAACCCCGCAG
 GCCTGGCCGACGACGCTGGCAAGCATCATCTGGCCCTGGTGTCTGGTGGTGTCTGGTGTGTGTG
 CGGCCCCCTTGCCCTACAAGAAGCTAGTGAAGAAATTCGCCAGAAGAAGCAGCCAGTGGATTGGCCCA
 ACGGGAATGAACCAAAACATGTCTTTCCATCGCAACCACAGGCAACCGTCCGATCCCATGCTGAGAACC
 CCACAGCCTCCACGTGGATAACGAATACAGCCAACCTCCAGGAACTCCCGCCTGTCAGCTTATCCAGC
 TCTGGAAGGGTTCTGCATCGCTCCTCCATGCAGCCTGACAACCTCCTCCGACAGTACTATGATCTGCAT
 GGGGCTCAGAGGCTG

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206494 representing NM_014207
 Red=Cloning site Green=Tags(s)

MPMGLSLQPLATLYLLGMLVASCLGRLSWYDPDFQARLTRNSKCGQLEVVYLDGWHMVCSQSWGRSSKQ
 WEDPSQASKVCQRLNCGVPLSLGPFLVITYTPQSSIIICYQLGSFNCNHSRNDMCHSLGLTCLPQKTTTP
 PTTTRPPPTTTTPEPTAPPRLQLVAQSGGQHCAGVVEFYSGSLGGTISYEAQDKTQDLENFLCNLQCGSFL
 KHLPETEAGRAQDPGEPREHQPLPIQWKIQNSSCTSLHCFRKIKPKSGRVLALLCSGFQPKVQSRLVG
 GSSICEGTVEVRQGAQWAALCDSSSARSSLRWEVCREQQCGSVNSYRVLDAGDPTSRGLFCPHQKLSQC
 HELWERNYSYKKVFVTCQDPNPAGLAAGTVASIIILALVLLVLLVVCGLAYKKLKVKFRQKQKRWIGP
 TGMNQNMFSHRNHTATVRSNAENPTASHVDNEYSQPPRNSRLSAYPALEGVLRSSMQPDNSSDSYDLH
 GAQRL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_014207

ORF Size: 1485 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_014207.2](#), [NP_055022.1](#)

RefSeq Size: 3151 bp

RefSeq ORF: 1488 bp

Locus ID: 921

UniProt ID: [P06127](#)

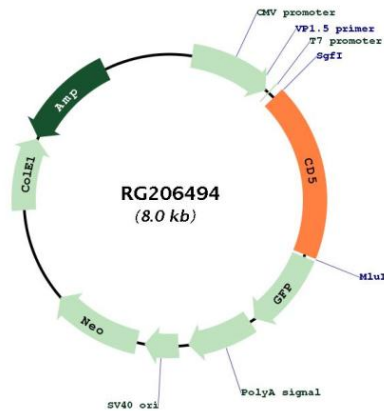
Cytogenetics: 11q12.2

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Hematopoietic cell lineage

Gene Summary: This gene encodes a member of the scavenger receptor cysteine-rich (SRCR) superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes, T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RG206494