

Product datasheet for **RC200586**

FSTL1 (NM_007085) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FSTL1 (NM_007085) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FSTL1
Synonyms: FRP; FSL1; MIR198; OCC-1; OCC1; tsc36
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC200586 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGAAACGCTGGCTCGGCTCGGCTCGGCTGGTGGCGGTCGCCTGGTCCGCGCCGAGGAAGAGC
TAAGGAGCAAATCCAAGATCTGTGCAATGTGTTTTGTGGAGCCGGCCGGAATGTGCAGTCACAGAGAA
AGGGAAACCCACCTGTCTCTGCATTGAGCAATGCAAACCTCACAAGAGGCTGTGTGTGGCAGTAATGGC
AAGACCTACCTCAACCACTGTGAACTGCATCGAGATGCCTGCCTCACTGGATCCAAAATCCAGGTTGATT
ACGATGGACACTGCAAAGAGAAGAAATCCGTAAGTCCATCTGCCAGCCCAGTTGTTTGTATCAGTCCAA
CCGTGATGAGCTCCGACGTGCATCATCCAGTGGCTGGAAGCTGAGATCATTCCAGATGGCTGGTTCTCT
AAAGGCAGCAACTACAGTGAAATCCTAGACAAGTATTTAAGAACTTTGATAATGGTGATTCTCGCCTGG
ACTCCAGTGAATCCTGAAGTTTGTGGAACAGAATGAACTGCCATCAATATTACAACGTATCCAGACCA
GGAGAACAACAAGTTGCTTAGGGGACTCTGTGTGATGCTCTCATTGAACTGTCTGATGAAAATGCTGAT
TGGAACTCAGCTCCAAGAGTTTCTCAAGTGCCTCAACCCATCTTTCAACCTCCTGAGAAGAAGTGTG
CCCTGGAGGATGAAACGTATGCAGATGGAGCTGAGACCGAGGTGACTGTAAACCGCTGTGCTGTGCCTG
TGGAAATTGGGTCTGTACAGCCATGACCTGTGACGGAAAGAATCAGAAGGGGGCCAGACCCAGACAGAG
GAGGAGATGACCAGATATGTCCAGGAGCTCCAAAAGCATCAGGAAACAGCTGAAAAGACCAAGAGAGTGA
GCACCAAAGAGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200586 protein sequence
 Red=Cloning site Green=Tags(s)

MWKRWLALALAVAVAVRAEEELRSKSKICANVFCGAGRECAVTEKGEPTCLCIEQCKPHKRPVCGSNG
 KTYLNHCELHRDACLTGSKIQVDYDGHCKEKKSVSPSPVVCYQSNRDELRRRIIQWLEAEIIPDGWFS
 KGSNYSEILDKYFKNFDNGDSRLDSSEFLKFVEQNETAINITTPDQENKLLRGLCVDALIELSDENAD
 WKLSFQEFKCLNPSFNPPPEKKCALEDETYADGAETEVCNRCVCACGNWVCTAMTCDGKNQKGAQTQTE
 EEMTRYVQELQKHQETAEKTKRVSTKEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

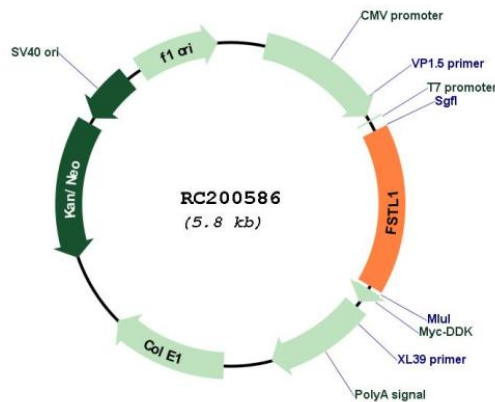
Chromatograms: https://cdn.origene.com/chromatograms/mk6193_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

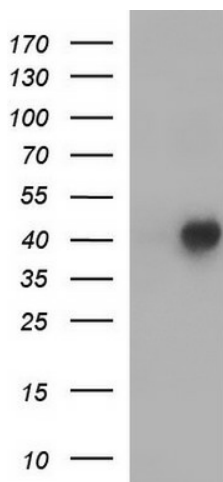


Plasmid Map:

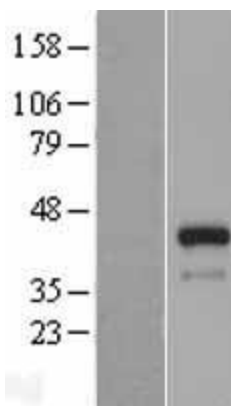


ACCN: NM_007085

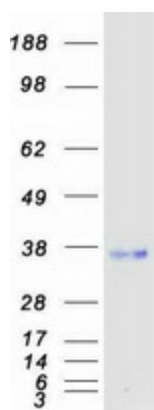
ORF Size:	924 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. 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:	<ol style="list-style-type: none">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_007085.5
RefSeq Size:	3840 bp
RefSeq ORF:	927 bp
Locus ID:	11167
UniProt ID:	Q12841
Cytogenetics:	3q13.33
Domains:	EFh, kazal, FOLN
Protein Families:	Secreted Protein
MW:	35 kDa
Gene Summary:	This gene encodes a protein with similarity to follistatin, an activin-binding protein. It contains an FS module, a follistatin-like sequence containing 10 conserved cysteine residues. This gene product is thought to be an autoantigen associated with rheumatoid arthritis. [provided by RefSeq, Jul 2008]

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FSTL1 (Cat# RC200586, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FSTL1 (Cat# [TA590234]). Positive lysates [LY402088] (100ug) and [LC402088] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY402088]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200586 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FSTL1 protein (Cat# [TP300586]). The protein was produced from HEK293T cells transfected with FSTL1 cDNA clone (Cat# RC200586) using MegaTran 2.0 (Cat# [TT210002]).