

## Product datasheet for **RG200586**

### **FSTL1 (NM\_007085) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FSTL1 (NM_007085) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FSTL1
Synonyms:	FRP; FSL1; MIR198; OCC-1; OCC1; tsc36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200586 representing NM_007085 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGTGAAACGCTGGCTCGCGCTCGCGCTCGCGCTGGTGGCGGTGCCTGGGTCCGCGCCGAGGAAGAGC  
TAAGGAGCAAATCCAAGATCTGTGCCAATGTGTTTTGTGGAGCCGCGCGGAATGTGCAGTCACAGAGAA  
AGGGGAACCCACCTGTCTCTGCATTGAGCAATGCAAACCTCACAAGAGGCCTGTGTGGCAGTAATGCC  
AAGACCTACCTCAACCACTGTGAACTGCATCGAGATGCCTGCCTCACTGGATCCAAAATCCAGTTGATT  
ACGATGGACACTGCAAAGAGAAGAAATCCGTAAGTCCATCTGCCAGCCAGTTGTTTGTATCAGTCCAA  
CCGTGATGAGCTCCGACGTCGCATCATCCAGTGGCTGGAAGCTGAGATCATTCCAGATGGCTGGTTCTCT  
AAAGGCAGCAACTACAGTGAAATCCTAGACAAGTATTTAAGAATTTGATAATGGTGATTCTCGCCTGG  
ACTCCAGTGAATTCCTGAAGTTTGTGGAACAGAAATGAAACTGCCATCAATATTACAACGTATCCAGACCA  
GGAGAACAACAAGTTGCTTAGGGGACTCTGTGTTGATGCTCTCATTGAACTGTCTGATGAAAATGCTGAT  
TGGAAACTCAGCTTCCAAGAGTTTCTCAAGTGCCTCAACCCATCTTTCAACCTCCTGAGAAGAAGTGTG  
CCCTGGAGGATGAAACGTATGCAGATGGAGCTGAGACCGAGGTGGACTGTAACCGCTGTGTCTGTGCCTG  
TGGAAATTGGTCTGTACAGCCATGACCTGTGACGGAAAGAATCAGAAGGGGGCCAGACCCAGACAGAG  
GAGGAGATGACCAGATATGTCCAGGAGCTCCAAAAGCATCAGAAACAGCTGAAAAGACCAAGAGAGTGA  
GCACCAAGAGATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG200586 representing NM\_007085  
Red=Cloning site Green=Tags(s)

MWKRWLALALAVAVAVRAEEELRSKSKICANVFCGAGRECAVTEKGEPTCLCIEQCKPHKRPVCGSNG  
 KTYLNHCELHRDACLTGSKIQVDYDGHCKEKKSVSPSPVVCYQSNRDELRRRIIQWLEAEIIPDGWFS  
 KGSNYSEILDKYFKNFDNGDSRLDSSEFLKFVEQNETAINITTPDQENNKLLRGLCVDALIELSDENAD  
 WKLSFQEFKCLNPSFNPPPEKKCALEDETYADGAETEVCNRCVCACGNWVCTAMTCDGKNQKGAQTQTE  
 EEMTRYVQELQKHQETAEKTRVSTKEI

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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:**

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:** 3705 bp

**RefSeq ORF:** 927 bp

**Locus ID:** 11167

**UniProt ID:** [Q12841](#)

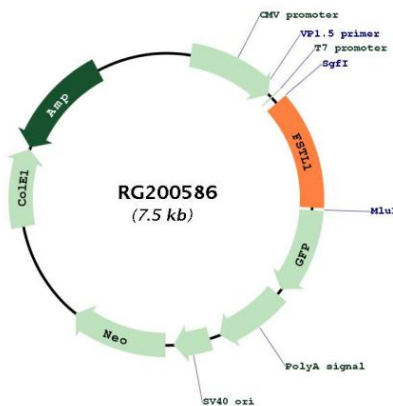
**Cytogenetics:** 3q13.33

**Domains:** EFh, kazal, FOLN

**Protein Families:** Secreted Protein

**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:



Circular map for RG200586