

Product datasheet for **MC211962**

Fstl3 (NM_031380) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fstl3 (NM_031380) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fstl3
Synonyms: E030038F23Rik; Flrg
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211962 representing NM_031380
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGTTCGGGGCACTGTGGCCGCTGCTTTGGGGAGCCCTGGTCTGGACAGTGGGATCCGTGGGCGCCG
TGATGGGCTCCGAGGATTCTGTGCCGGTGGCGTGTGCTGGCTCCAGCAGGGCAGAGAGGCCACCTGCAG
TCTGGTGTGAAGACTCGTGTACGCCGGGAGGAGTGTGTGCTTCCGGCAACATCAACACCGCCTGGTCC
AACTTCACCCACCCAGGCAATAAAATCAGCCTGCTAGGGTTCTGGGCCTCGTCCACTGCCTCCCCTGCA
AAGATTCTGCGACGGAGTGGAGTGCGGCCCGCAAGGCGTGGCGCATGCTGGGGGGCCGTCCACACTG
CGAGTGGTGGCCAACTGCGAGGGGCTTCCCGCGGGCTTCCAGGTCTGCGGCTCTGATGGCGCCACCTAC
CGGGACGAATGCGAACTGCGCACCCGCGCTGTGCGGACACCCAGACTTGCAGCATGTACCGCGGCC
GCTGTCAAAGTCTTGCCTCAGGTAGTGTGCCCGCTCCCACTCGTGCCTTGTGGATCAGACCGGCAG
CGCACACTGCGTGGTGTGTCGCGCTGCGCCCTGCCAGTACCTTCCAACCCGGCCAAGAAGTCTGTGGC
ACAACAACGTTACCTACATCTCGTGTGTCACCTGCGCCAGGCCACTTGCTTCTGGGCGCTCCATTG
GGTTTCGGCACCCAGGCATCTGCACAGGTGGCCCAAAGTACCAGCAGAGGAGGAAGAGAAGTCTCGTGTG
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031380
Insert Size: 771 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_031380.2 , NP_113557.1
RefSeq Size:	1953 bp
RefSeq ORF:	771 bp
Locus ID:	83554
UniProt ID:	Q9EQC7
Cytogenetics:	10 C1
Gene Summary:	The secreted form is a binding and antagonizing protein for members of the TGF-beta family, such as activin, BMP2 and MSTN. Inhibits activin A-, activin B-, BMP2- and MSDT-induced cellular signaling; more effective on activin A than on activin B. Involved in bone formation; inhibits osteoclast differentiation. Involved in hematopoiesis; involved in differentiation of hemopoietic progenitor cells, increases hematopoietic cell adhesion to fibronectin and seems to contribute to the adhesion of hematopoietic precursor cells to the bone marrow stroma. The nuclear form is probably involved in transcriptional regulation via interaction with MLLT10 (By similarity).[UniProtKB/Swiss-Prot Function]