

Product datasheet for RR212901

Fst (NM_012561) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fst (NM_012561) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fst
Synonyms:	FOL1; FS; Fst-288; RATFOL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212901 representing NM_012561 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTCTGCGCCAGGCACCAGCCCGGGGCTCTGCCTCTGCTGCTGCTACTCTGCCAATTCATGGAAG
ACCGCAGCGCCCAGGCTGGGAATTGCTGGCTCCGCCAAGCAAGAACGGCCGCTGCCAGGTCCTGTATAA
GACAGAAGTGAAGGAAGAGTGTGCAGCACCGCCGGCTGAGCACCTCGTGGACCGAGGAGGATGTG
AACGACAATACTCTTCAAGTGGATGATTTTCAACGGGGCGCCCAACTGCATCCCTTGTAAGAAA
CGTGTGAGAATGTGGACTGTGGCCCCGGGAAAAAGTGCCGAATGAACAAGAAGAAACAAACCCGCTGCGT
CTGTGCCCCAGACTGTTCCAACATCACCTGGAAGGGTCCAGTGTGTGGGCTCGATGGGAAAACTACCGC
AACGAATGTGCGCTCCTCAAGGCCAGATGTAAAGAGCAGCCGAACTGGAAGTCCAGTACCAGGGCAAT
GTAAAAAGACTTGCAGGGATGTTTTCTGTCCAGGCAGCTCCACTTGTGTGGTGGATCAGACCAATAATGC
CTACTGTGTGACCTGTAATCGGATTTGCCCGAACCCATCTTCAGAGCAGTCCCTTTCGGGAACGAT
GGTGTGACTTACTCCAGTGCCTGCCACCTGAGAAAGCCACCTGCTTGTGGCAGATCCATTGGATTAG
CCTATGAGGGAAAGTGTATCAAAGCAAAGTCTTGTGAAGACATCCAGTGCAGTGGTGGAAAAAATGCCT
ATGGGATTTCAAGTTGGCAGAGTGCCTGCTCTCTGCGATGAGCTGTGCCCGACAGTAAGTCGGAT
GAGCCCGTCTGTGCCAGGACAATGCCACGTACGCCAGCGAGTGTCCATGAAGGAAGCTGCCTGCTCCT
CCGGCGTACTGCTTGAAGTGAAGCACTCCGGATCTTGCAACTCCATCTCGGAAGAAACGGAGGAAGAGGA
GGAAGAGGAAGACCAGGACTACAGCTTCCCTATCTCTTCCACTCTAGAGTGG

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212901 representing NM_012561
 Red=Cloning site Green=Tags(s)

MVCARHQPGGLCLLLLLLQCFMEDRSAQAGNCWLRQAKNGRCQVLYKTELSKEECSTGRLSTSWTEEDV
 NDNTLFKWMIFNGGAPNCIPCKETCENVDCGPGKRCRMNKNKPRCVCAPDCSNITWKGPCGLDGTKYR
 NECALLKARCKEQPELEVQYQGKCKKTRDVFPCGSSTCVVDQTNNAVCVTCNRICPEPSSSEQSLCGND
 GVTYSSACHLRKATCLLGRSIGLAYEGKCIKAKSCEDIQCGGGKKCLWDFKVGGRGRCSLCDELCPDSKSD
 EPVCASDNATYASECAMKEAACSSGVLLLEVKHSGSCNSISEETEEEEEEEDQDYSPISSTLEW

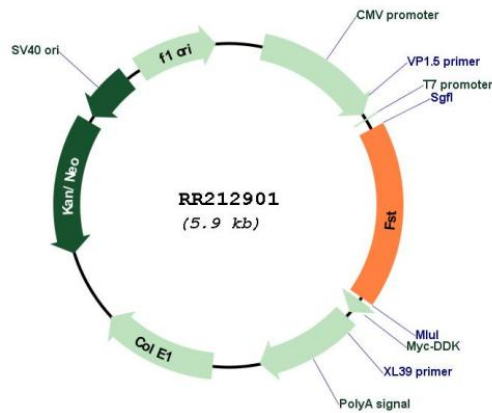
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012561

ORF Size: 1032 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_012561.2 , NP_036693.1
RefSeq Size:	1035 bp
RefSeq ORF:	1035 bp
Locus ID:	24373
UniProt ID:	P21674
Cytogenetics:	2q14
MW:	37.8 kDa
Gene Summary:	binds activin and inhibits activin-mediated signaling pathways [RGD, Feb 2006]