

Product datasheet for **MR231249**

FstI5 (NM_001253719) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FstI5 (NM_001253719) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FstI5
Synonyms:	9130207J01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR231249 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTAGGTGCTGGTCTGCCATTTTGATTCTTGGATTCACTTTCTGGCATCTGAAGGGAGGCCAACAA
 AAGAATCAGGATATGGCCTTAAATCCTATCAACCTCTTACAAGATTGCGACATAAGCAGGAAAAAGTCA
 AGAAAGTTCAAGAATCAAGAATTTCTAATTCATGATGGACCATTGGATCTTGTGAAAAAAGTACTGT
 GGCTTGGGGAGGCACTGTGTTATCAACAGAGAGACAAGGCATGCGGAGTGTGCCTGCATGGACCTTTGTA
 AACAGCACTACAAACCTGTGTGGATCTGATGGGGAATTCTATGAAAACCACTGTGAAGTGCACAGAGC
 TGCCTGTCTTAAAAAGCAAAAGATCACCATCGTTCACAATGAAGACTGCTTCTTTGAAGGGGACAACCTGC
 ATGGCCATTGAATACAGCAAGATGAAAAGTATGCTTTTAGACTTACAAAATCAAAAGTATATTACACAAG
 AAAATGAGAATCCCAACAGTGATGACATATCTAGGAAGAAGCCGTTGGTGGATCAAAATGTTCAAGTATT
 TGATGCAGACAGTAATGGACTTGTAGATATTAATGAACTAACTCAGGTGATTAACAGGAGGAATGAAC
 AAGGACCTTTCTGACTGTACTTTGTATGATCTGCTCAAGTATGATGACTTCAACGCTGACAAGCACCTGG
 CTCTTGAAGAATTCTACAGAGCATTTCAGGTGATCCAGTTGAGTCTGCCTGAAGATCAGAGAGTAAGCAT
 TACCGCAGCCACTGTGGGCAGAGTGTCTTCTGAGCTGTGCCATTGTGGGAACGCTGAGACCCCTATC
 ATATGGAAGAGGAACAACATTGTTCTAAATAATTTAGATTTGGAAGACATCAATGACTTTGGTGTATGATG
 GGTCCCTGTATATTACCAAGGTTACCACAGTTCACATGGGAAATTATACATGCTATGCAGATGGCTATGA
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 GCCAGAGAACCCTGGTGAACGCAAGCCTTAGGTGCCATGCCGAGGGCATTCCAGACCCTCAGCTGGCT
 GGCTGAAGAATGGGATTGACATTACACCGAAGCTCTCAAACAGCTCACACTTCAAGCAAATGGCAGTGA
 GGTCCACATAAGCAATGTCCGTTATGAAGATACAGGAGCATACACGTGCATTGCTAGGAATGAAGCCGCT
 GTGGATGAAGACATCTCTCTCTTTTGTGGAAGATTCTGCTAGGAAGACACTAGCTAACATATTATGGA
 GAGAAGAAGTCTGGGAATTGGGAACATGTTCTATGTTTTTATGAAGATGGAATCAAAGTGATACAACC
 CACGGAATGTGAATTTACAGAGGCACATTAAGCCCAGTGAAAAGCTCCTTGGATATCAGGATGAAGTCTGT
 CCCAAAGCAGAAGAGGATGAAGTGCAGAGATGTGTGTGGGCATCTGCTGTTAATGTCAAAGACAAGTTCA
 TTTATGTCGCTCAGCCAACCTTTGGACAGAATCTTGATTGTTGATGTGCAATCCAAAAGGTTGTTACGGC
 AGTGAGTACAGATCCTGTACCAGTTAAATTACACTACGACAAGTCACATGACCAAGTCTGGGTGCTGAGC
 TGGGGCAGCATGGAGAAGACATCACTCACTACAGGTGATCACTCTGGCCAGCGGGAATGTGCCACACC
 ACACCATCCACACTCAGCCAGTTGGGAAACAGTTTGACAGAGTGGACGATTTTTTTATTCCAACCTCAAC
 ACTTATTATTACTCACATGAGATTTGGGTTTATTCTTCATAAAGATGAATCTGCACTACAAAAATTGAT
 CTCGAAACCATGTCTACATCAAAAATTAACCTGAAGGACTCAGATGCATTCCTCTATCCTTGGCAT
 ACACCCATCTGGGAGGATACTACTTCAAGCTGCAAGGCTGACATCACCGGAGCTACTCCACCACAGCT
 CGTGGTAGACAGTGTGACTGACTCTATCATTGGCTTCAATAGCGATGTGACGGGCACTCCTTATGTCTCT
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 GAGGAGAGATTCTGGATGCTTTTGACATCCACCAACCTACATATATCTGACCTGGCCTCCAGCCATC
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 CTTTCTCTGGGAAGGTCAAGATGATCAAAAGCCTCAAAGAACCCTCAAGACAGAAGACTGGCCCTGGA
 GCCAGAAAAACAGGCACATCCAAGGCAAGTGGCCTGTTTGGACAGTACCTGATGACACCTTCAAAGATTC
 TCTCTTATCCTGGATGGTCGCCTTAATAAATTAACCTGTGAGATCACTGAGGTTGAGAAAGAAATACA
 GTTGTGGGTTGGCGATGCC

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231249 protein sequence
 Red=Cloning site Green=Tags(s)

MFRCSAILILGFIFLASEGRPTKESGYGLKSYQPLTRLRHKQEKSQESSRIKEFLIHDGPFSGCENKYC
 GLGRHCVINRETRHAECACMDLCKQHYKPVCGSDGEFYENHCEVHRAACLKKQKITIVHNEDCFEFGDNC
 MAIEYSKMKSMLLDLQNKYITQENENPNSDDI SRKKPLVDQMFKYFDADSNGLVDINELTQVIKQEELN
 KDLSDCTLYDLLKYDDFNADKHLALEEFYRAFQVIQLSLPEDQVRSITAATVQSAVLSCAIVGTLRPP
 IWKRNNIVLNNLDLEDINDFGDDGSLYITKVTTVHMGNVTCYADGYENVRQTHIFQVNVPPVIRVYVESQ
 AREPGVTASLRCHAEGIPDPQLGWLKNGIDITPKLSKQLTLQANGSEVHISNVRYEDTGAYTCIARNEAG
 VDEDISSLFVEDSARKTLANILWREELGIGNMFYVYEDGKIKVIQPTCECFQRHIKPKSEKLLGYQDEVC
 PKAEDEVQRCVWASAVNVKDKFIYVAQPTLDRILIVDVQSQVQAVSTDPVPVKLHYDKSHDQVWVLS
 WGSMEKTSPTLQVITLASGNVPHHTIHTQPVGKQFDRVDDFFIPTPTLIIITHMRFGFI LHKDESALHKID
 LETMSYIKTINLKDSRCIPLSLAYTHLGGYFISCKADITGATPPQLVDSVTDIIGFNSDVTGTPYVS
 PDGHYLVSVNDVKGKLVVQYITIRGEILDADFIDHTNLHISDLAFQPSFTEAHQYNIYSSSSQTDVLFVE
 LSSGKVKMIKSLKEPLKTEDWPWSQKNRHIQSSGLFGQYLMTPSKDSLFI LDGRLNKLNCEITEVQKNGT
 VVWVGDA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

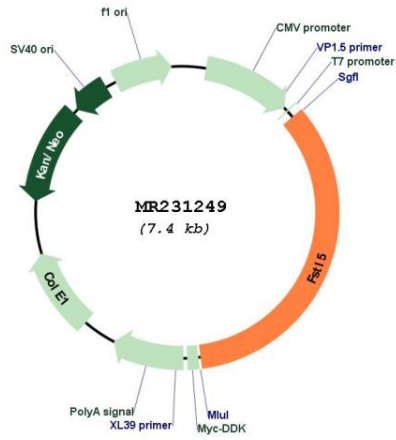
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001253719
ORF Size:	2544 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_001253719.1 , NP_001240648.1
RefSeq Size:	4560 bp
RefSeq ORF:	2544 bp
Locus ID:	213262
UniProt ID:	Q8BFR2
Cytogenetics:	3 E3
MW:	95.8 kDa

Product images:



Circular map for MR231249