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Product datasheet for MR220390

Fstl4 (NM_177059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fstl4 (NM_177059) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fstl4
Synonyms:	B230374F23Rik; mKIAA1061; SPIG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>MR220390 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACCAGGAGGCTTCTGGCCACATCTTGCCCTACTCGGGGTCTCCCTGCCGGCCGTGCTGGGATGGA
TGGACCAAGGAGCCAGCAGAAGCCCGAATATGGTTCCAGGAGAGTCGCAGGCAGAGGAAACCAGAGGCTT
TGAAGTCACAAGAAGAGAAGGTCTTCCCAGCCCTGGGCTGTCAGCCTCCTGTGGGAAGAAACTCTGCAGC
CATGGGAGCAGGTGCTTGCTCAATAGGACGACAGGGCAGCCCTCGTGCCAGTGTCTGGAGGTGTGCAGGC
CCCGCTACATGCCTGTGTGTGGCTCCGACGGGAGGCTCTACGGGAACCACTGTGAGCTTCGCCGTGCAGC
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ATGGCTGGCTATGCTCGTCTCAAAAATGTCCTCCTGGCACTCCAGAGCCGCAGACAGCCGCTCCCACAAG
GAACCCCCAGGCAAAGCCTCGCCTCCCAGAAGCGCCTCTTGGTGGAGTCACTGTTTAAGGACTTGGATGC
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GGAGACATGCACAAGTCCCAACCAAGCCTACAGGTGATCACAGAAGCCAGCACTGGCCAAGGCCAGCACC
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TGAGAGACAGCGGGCTCTTTGGACAGTACCTCCTCACACCAGCTCAAGAGTCACTGTTCCTGGTCAATGG
GAGACAAAACGCCCTGAGGTGTGAGGTTTCAGGCATAAAGGGTGCGGCCACAGTGGTGTGGGTCGGGGAG
GTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

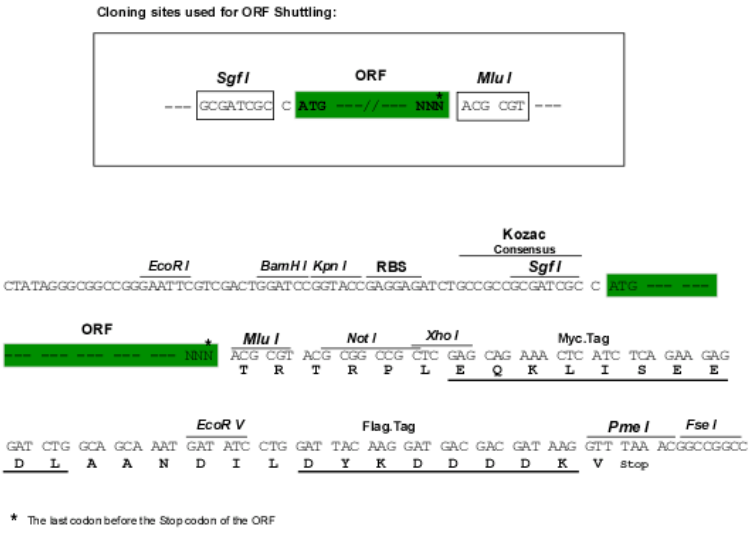
>MR220390 protein sequence
Red=Cloning site Green=Tags(s)

MKPGGFWPHLALLGVSLPAVLGWMDQGASRSPNMVPGESQAEETRGFEVTRREGLPSPGLSASCGKKLCS
HGSRCLLNRTTGQPSCQCLEVCRPRYMPVCGSDGRLYGNHCELRRAACLLGKRIVSVHSKDCFLKGDMCT
MAGYARLKNVLLALQSRRQPLPQGTPRQSLASQKRLLVESLFKDLDADGNGHLGSLELAQYVLKEQDMDG
SLNRCSPSDLLRFDDYNSDGSLTLGEFYTAFQVIQLSLAPEDKVSVTTVTVGLSTVLTCAIRGDLRPPII
WKRNGLTLSFLGLEDINDFGEDGSLYITKVTTVHMGNYTCHALGHEQLVQTHVLQVNVPPVIRVYPETQA
QEPGVAASLRCHAEGIPLPRIIWLKNGMDVSTQMSKQLSLLANGSELHIGSVRYEDTGAYTCIAKNEVGV
DEDISSLFIEDSARKTLANILWREEGLSVGNMFYVFAEDGIVVIHPVDCEVQRRLKPTEKIFMSYEEICP
RVEGDATQPCQWASAVNVRNRYIYVAQPALNRVLVVDVQAQKVLQSIGVDPLPVKLSYDKSHDQVWVLSW
GDMHKSQPSLQVITEASTGQGQHLIRTPFAGVDNFFIPPTNLIINHIRFGFIFNKTDPAVHKVDLETLMA
LKTISLRHYGCMPQAMAHTHLGGYFFVQCQQDTPTSTGPQLLIDSVTDSVLGPNSDITGTPHVSPDGRFI
VSVSNKGPWLHVQEVTVRGEIQTLYDLKINPGISDLAFQHSFTEGSQYNAYATLDKEPDLLFLELSTGKM
GRLKNLKEPPRGPAPTWGGPRRVLRDSGLFGQYLLTPAQESLFLVNGRQNALRCEVSGIKGAATVVWVGE
V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

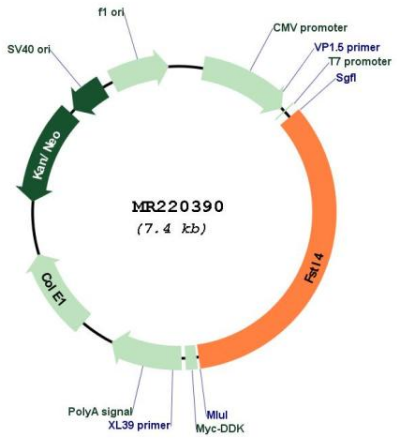
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_177059
ORF Size:	2523 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_177059.3, NP_796033.2
RefSeq Size:	3117 bp
RefSeq ORF:	2526 bp
Locus ID:	320027
UniProt ID:	Q5STE3
Cytogenetics:	11 B1.3
MW:	92.6 kDa

Product images:



Circular map for MR220390