

Product datasheet for **MG220390**

Fstl4 (NM_177059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fstl4 (NM_177059) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fstl4
Synonyms:	B230374F23Rik; mKIAA1061; SPIG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG220390 representing NM_177059
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAAACCAGGAGGCTTCTGGCCACATCTTGCCTACTCGGGTCTCCCTGCCGGCGTGCTGGGATGGA
 TGGACCAAGGAGCCAGCAGAAGCCGAATATGGTTCCAGGAGAGTCGAGGCAGAGGAAACCAGAGGCTT
 TGAAGTACAAGAAGAGAAGGTCTTCCAGCCCTGGGCTGTGAGCCTCCTGTGGGAAGAACTCTGCAGC
 CATGGGAGCAGGTGCTTGCTCAATAGGACGACAGGGCAGCCCTCGTGCCAGTGTCTGGAGGTGTGCAGGC
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 TGAAAAATGGCATGGATGTCTCAACCCAGATGTCCAAACAGCTCTCCCTCTTGGCCAATGGAAGCGAAT
 TCACATCGGCAGTGTCCGCTATGAAGACACCGGAGCATATACCTGCATTGCCAAGAATGAAGTGGGTGTG
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 GAGACAAAACGCCCTGAGGTGTGAGTTTCAGGCATAAAGGGTGCGGCCACAGTGGTGTGGTGGGGAG
 GTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220390 representing NM_177059
 Red=Cloning site Green=Tags(s)

MKPGGFWPHLALLGVSLPAVLGWMDDQASRSPNMVPGESQAEETRGEFVTRREGLPSPGLSASCGKKLCS
 HGSRCLLNRTTGQPSQCLEVCPRPYMPVCGSDGRLYGNHCELRRACL LGKRIVSVHSDCFLKGMCT
 MAGYARLKNVLLALQSRQPLPQGTPRQSLASQKRLLVESLFKDLDADGNHGLGSLELAQYVLKEQDMDG
 SLNRCSPSDLLRFDDYNSDGSLLGEFYTAQVIQLSLAPEDKVSVTTTVGLSTVLTCAIRGDLRPPII
 WKRNGLTSLFGLLEDINDFGEDGSLYITKVTTVMGNYTCHALGHEQLVQTHVLQVNVPPVIRVYPETQA
 QEPGVAASLRCHAEGLPLPRIIWLKNGMDVSTQMSKQLSLLANGSELHIGSVRYEDTGAYTCIAKNEVG
 DEDISSLFIEDSARKTLANILWREGLSVGNMFYVFAEDGIVVIHPVDCEVQRRLKPTKIFMSYEEICP
 RVEGDATQPCQWASAVNVRNRYIYVAQPALNRVLVVDVQAQKVLQSIGVDPLPVKLSYDKSHDQVWVLSW
 GDMHKSQPSLQVITEASTGQGHLIRTPFAGVDNFFIPPTNLIINHIFGFIFNKTDPAVHKVDLETMA
 LKTISLRHYGCMQAMATHLGGYFFVQCQDTPSTGPQLLIDSVTDSVLGPNSDITGTPHVSPDGRFI
 VSVSNKGPWLHVQEVTVRGEIQTLYDLKINPGISDLAFQHSFTEGSQYNAYATLDKEPDLLFLELSTGKM
 GRLKNLKEPPRGPAPTWGGPRRVL RDSGLFGQYLLTPAQESLFLVNGRQNALRCEVSGIKGAATVWVGE
 V

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-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

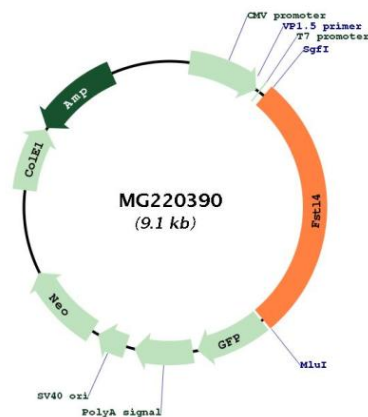
RefSeq ORF: 2526 bp

Locus ID: 320027

UniProt ID: Q5STE3

Cytogenetics: 11 B1.3

Product images:



Circular map for MG220390