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Product datasheet for RG226203

FSTL5 (NM_001128428) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FSTL5 (NM_001128428) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FSTL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG226203 representing NM_001128428
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTAAGTGCTGGTCAGTTGTCTTGGTTCTCGGATTCATTTTTCTGGAGTCGGAAGGAAGGCCAACCA
AAGAAGGAGGATATGGCCTTAAATCCTATCAGCCTCTAATGAGATTGCGACATAAGGAAAAAAATCAAGA
AAGTTCAAGAGTCAAAGGATTTATGATTCAGGATGGCCCTTTTGGATCTTGTGAAAATAAGTACTGTGGT
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ACACTATGACAAATCACATGATCAGGTCTGGGTGCTAAGCTGGGGTACCTTGGAGAAGACATCACCAACA
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GCTTGTTTGGTCAATACCTGATGACACCTTCCAAGGACTCTCTCTTCATCCTAGATGGACGACTCAATAA
ATTAAACTGTGAGATCACTGAAGTTGAAAAAGGAAATACAGTCATTTGGGTTGGAGATGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG226203 representing NM_001128428
Red=Cloning site Green=Tags(s)

MFKCWSVVLVLGFIFLESEGRPTKEGGYGLKSYQPLMRLRHKEKNQESSRVKGFMIQDGPFGSCENKYCG
LGRHCVTSRETGQAECACMDLCKRHYKPVCGSDGEFYENHCEVHRAACLKKQKITIVHNEDCFFKGDKCK
TTEYSKMKNMLLDLQNQKYIMQENENPNGDDISRKKLLVDQMFKYFDADSNGLVDINELTQVIKQEELGK
DLFDCTLYVLLKYDDFNADKHLALEEFYRAFQVIQLSLPEDQKLSITAATVGQSAVLSCAIQGTLRPPII
WKRNNIILNNLDLEDINDFGDDGSLYITKVTTTHVGNYTCYADGYEQVYQTHIFQVNVPPVIRVYPESQA
REPGVTASLRCHAEGIPKPQLGWLKNGIDITPKLSKQLTLQANGSEVHISNVRYEDTGAYTCIAKNEAGV
DEDISSLFVEDSARKTRLGIGNMFYVFYEDGIKVIQPIECEFQRHIKPSEKLLGFQDEVCPKAEGDEVQR
CVWASAVNVKDKFIYVAQPTLDRVLIVDVQSQKVVQAVSTDPVPVKLHYDKSHDQVWVLSWGTLEKTSPT
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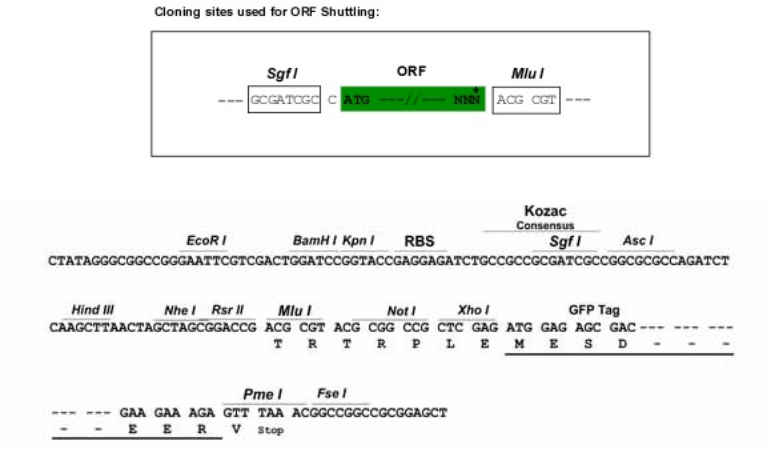
NLKDYKCVPQSLAYTHLGGYYFIGCKPDSTGAVSPQVMVDGVTDSVIGFNSDVTGTPYVSPDGHYLVSIN
DVKGLVRVQYITIRGEIQEAFDIYTNLHISDLAFQPSFTEAHQYNIYGSSSTQTDVLFVELSSGKVKMIK
SLKEPLKAEEWPWNRKNRQIQDSGLFGQYLMTPSKDSLFILDGRLNKLNCEITEVEKGNTVIWVGDA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001128428

ORF Size: 2511 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.

RefSeq: NM_001128428.2, NP_001121900.1

RefSeq Size: 4805 bp

RefSeq ORF: 2514 bp

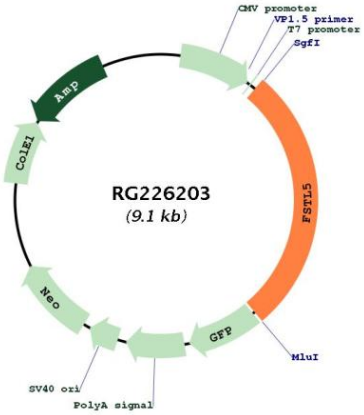
Locus ID: 56884

UniProt ID: Q8N475

Cytogenetics: 4q32.2

Protein Families: Secreted Protein

Product images:



Circular map for RG226203