

Product datasheet for **MG220521**

Fshr (NM_013523) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fshr (NM_013523) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fshr
Synonyms:	FSH-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220521 representing NM_013523
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTTGCTCCTGGTCTCCTTGTGGCATTCTTGGGCTCGGGATCTGGATGTCACTAGGCTGTGTC
 ATTGCTCTAACAGGGTCTTCCTCTGCCAAGATAGCAAGGTGACCGAGATTCCGCCCGACCTCCCCGGAA
 CGCCATTGAAGTGAATTTGTGCTACCAAGCTTCGAGTCATTCCAAAAGGATCATTCTGGATTGGG
 GACCTGGAGAAAAAGAGATCTCTCAGAATGATGTCTTGGAGGTAATAGAGGCAGATGTGTTCTCCAACC
 TACCCAATTGCATGAAATAGGATTGAAAAGGCTAACAACTCTGCTGTACATCAACCCTGAGGCCTTCCA
 GAATCTTCCAGTCTCCGATATCTGTTAATATCCAACACAGGCATTAAACACTTGCCAGCCTTTCACAAG
 ATCCAGTCTCTCCAAAAGGTTTTATTAGACATTCAAGATAACATAAACATCCACATCATTGCCAGGAACT
 CCTTCATGGGACTGAGCTTTGAAAGTGAATTCTATGGCTGAATAAGAATGGGATTCAAGAAATACACAA
 CTGTGCATTCAACGGAACCCAGCTAGATGAAGTGAATCTAAGCGATAACAATAATTTGGAAGAATTGCCT
 GATGATGTTTTCCAGGGAGCCTCTGGGCCAGTCGTTTTAGACATCTCAAGGACAAAAGGTCTATCCCTGC
 CCAACCATGGCTTAGAAAATCTGAAGAAGTTGAGGGCCAGGTCAACATACCGCTTGAAAAAGCTCCCTAG
 TCTAGACAAGTTTGTGCTCATTGAGGCCAGCCTTACCTACCCAGTCACTGTGTCCTTTGCAAAAC
 TGGAGGCGGCAAACTCTGAAGTTCATCCAATTTGCAACAAGTCTATTTCAAGGCAAGATATTGATGATA
 TGACTCAGCCTGGGGATCAGAGAGTCTCTCTCGTAGATGATGAACCCAGTTATGGAAAAGGATCTGACAT
 GTTGTATAGTGAATTTGACTATGACTTATGCAATGAATTTGTTGATGTGACCTGCTCGCCAAAGCCAGAT
 GCATTTAATCCATGTGAAGACATCATGGGGTACAACATCCTCAGAGTCTTGATATGGTTTATCAGCATCC
 TGGCCATCACTGGGAACACCACAGTGTGGTGGTCTGACCACAAGCCAATACAAACTCACTGTGCCCCG
 GTTCCTTATGTGAACCTCGCCTTTGCTGATCTTTGCATTGGGATCTACTTGCTACTTATAGCCTCAGTT
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 CGCCCTGGCCTTTGTGGTCATCTGTGGTGTCTACACCCACATCTACCTCACAGTGAGGAATCCTAACATT
 GTGTCTCGTCAAGAGACACCAAGATTGCAAGCGCATGGCCACACTCATCTTACGGACTTTCTCTGCA
 TGGCCCAATTTTATTCTTTGCCATTTCCGCCTCCCTCAAGGTGCCCTCATCACTGTGTCCAAGGCCAA
 GATCCTCCTAGTTCTGTTCTACCCCATCAATTCTGTGCAATCCTTTCTCTATGCCATTTTACCAAG
 AACTTCCGAGGGACTTCTTCGCTGATGAGCAAGTTTGGCTGTTATGAGGTGCAAGGCCAGATTTACA
 AGACAGAAACCTCATCTATTACCACAACCTCCACTCCAGAAAGAATCCCTGTTCTCGGCTCCAGAGT
 CACCAATAGTTACGTGCTTGCCCTCTAAATCATTCAAGTCCAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220521 representing NM_013523
 Red=Cloning site Green=Tags(s)

MALLLVSLLAFLGSGSGCHHWLCHCSNRVFLCQDSKVTEIPDDLPRNAIELRFVLTKLRVIPKGSFSGFG
 DLEKIEISQNDVLEIEADVFSNLPNLHEIRIEKANLLYINPEAFQNLPSLRYLLISNTGIKHLPAFHK
 IQSLQKVLDDIQDNINIHIARNSFMGLSFESVILWLNKNGIQEIHNCANFGTQLDELNLSDNNLEELP
 DDVFGAGSGPVVLDISRKVVYSLPNHGLENLKCLRARSTYRLKPLSLDKFVMLIEASLTYPHCCAFAN
 WRRQTSELHPICNKISISRQDIDDMTQPGDQRVSLVDDEPSYKGSMDLYSEFDYDLCNEFVDVTCSPKPD
 AFNPCEDIMGYNILRVLWIFISILAITGNTTVLVVLTTSQYKLTVPFLMCNLAFADLCIGIYLLLIASV
 DIHTKSQYHNYAIDWQTGAGCDAAGFFTVFASELSVYTLAAITLERWHTITHAMQLECKVQLCHAASIMV
 LGWAFAAALFPIFGISSYMKVSIKLPMDIDSPLSQLVMALLVLNALAFVVICGCYTHIYLTVRNPNI
 VSSSRDTKIAKRMATLIFTDFLCMAPILFFAISASLKVPLITVSKAKILLVLFYPIINSCANPFLYAIFTK
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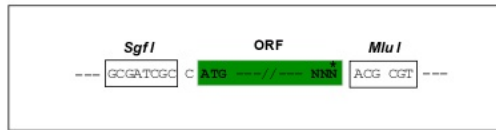
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2250_e08.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

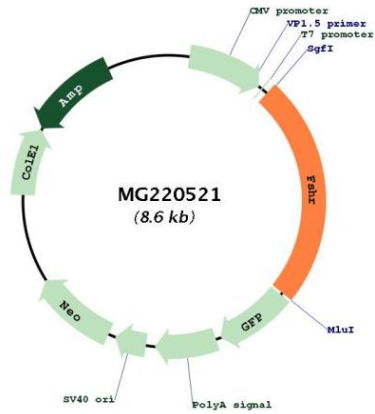


ACCN: NM_013523

ORF Size: 2076 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_013523.3, NP_038551.3</p>
RefSeq Size:	<p>2360 bp</p>
RefSeq ORF:	<p>2079 bp</p>
Locus ID:	<p>14309</p>
UniProt ID:	<p>P35378</p>
Cytogenetics:	<p>17 E5</p>
Gene Summary:	<p>G protein-coupled receptor for follitropin, the follicle-stimulating hormone. Through cAMP production activates the downstream PI3K-AKT and ERK1/ERK2 signaling pathways. [UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MG220521