

Product datasheet for **MC220493**

Fshr (NM_013523) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fshr (NM_013523) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fshr
Synonyms:	FSH-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220493 representing NM_013523
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTTGCTCCTGGTCTCCTTGTGGCATTCTTGGGCTCGGGATCTGGATGTCACTAGGCTGTGTC
 ATTGCTCTAACAGGGTCTTCTCTGCCAAGATAGCAAGGTGACCGAGATTCCGCCGACCTCCCCGGAA
 CGCCATTGAAGTGAATTTGTGCTACCAAGCTTCGAGTCATTCCAAAAGGATCATTCTGGATTGGG
 GACCTGGAGAAAAAGAGATCTCTCAGAAATGATGTCTTGGAGGTAATAGAGGCAGATGTGTTCTCCAACC
 TACCCAATTGCATGAAATAGGATTGAAAAGGCTAACAACTCTGCTGTACATCAACCCTGAGGCCTTCCA
 GAATCTTCCAGTCTCCGATATCTGTTAATATCCAACACAGGCATTAAACACTTGCCAGCCTTTCACAAG
 ATCCAGTCTCTCCAAAAGGTTTTATTAGACATTCAAGATAACATAAACATCCACATCATTGCCAGGAACT
 CCTTCATGGGACTGAGCTTTGAAAGTGAATTCTATGGCTGAATAAGAATGGGATTCAAGAAATACACAA
 CTGTGCATTCAACGGAACCCAGCTAGATGAAGTGAATCTAAGCGATAACAATAATTTGGAAGAATTGCCT
 GATGATGTTTTCCAGGGAGCCTCTGGGCCAGTCGTTTTAGACATCTCAAGGACAAAAGGCTATTCCCTGC
 CCAACCATGGCTTAGAAAATCTGAAGAAGTTGAGGGCCAGGTCAACATACCGCTTGAAAAAGCTCCCTAG
 TCTAGACAAGTTTGTGCTGCTCATTGAGGCCAGCCTTACCTACCCAGTCACTGTGTCCTTTGCAAAAC
 TGGAGGCGGCAAACTCTGAACTTCACTCAATTTGCAACAAGTCTATTTCAAGGCAAGATATTGATGATA
 TGACTCAGCCTGGGGATCAGAGAGTCTCTCTCGTAGATGATGAACCCAGTTATGGAAAAGGATCTGACAT
 GTTGATAGTGAATTTGACTATGACTTATGCAATGAATTTGTTGATGTGACCTGCTCGCCAAAGCCAGAT
 GCATTTAATCCATGTGAAGACATCATGGGGTACAACATCCTCAGAGTCTTGATATGGTTTATCAGCATCC
 TGGCCATCACTGGGAACACCACAGTGTGGTGGTCTGACCACAAGCCAATACAAACTCACTGTGCCCCG
 GTTCCTTATGTGAACCTCGCCTTTGCTGATCTTTGCATTGGGATCTACTTGCTACTTATAGCCTCAGTT
 GATATCCATACTAAGAGCCAGTACCACAATTACGCCATTGACTGGCAAACAGGAGCAGGCTGCGATGCCG
 CTGGCTTTTTCACTGTCTTTGCCAGTGAAGTGTGCTACACATTGGCAGCCATAAACCTAGAAAAGATG
 GCATACCATCACACATGCCATGCAACTGGAATGCAAGGTACAGCTCTGCCATGCTGCCAGCATCATGGTG
 CTGGGCTGGGCCCTTTGCCTTTGCGGCTGCTCTTCCCCATCTTTGGCATCAGTAGCTACATGAAAGTGA
 GCATCTGCCTGCCATGGATATCGACAGCCCTTTGTCGCAGCTGTATGTTATGGCCCTCCTCGTACTCAA
 CGCCCTGGCCTTTGTGGTCATCTGTGGTGTCTACACCCACATCTACCTCACAGTGAGGAATCCTAACATT
 GTGTCCTCGTCAAGAGACACCAAGATTGCAAGCGCATGGCCACACTCATCTTCACGGACTTTCTCTGCA
 TGGCCCAATTTTATTCTTTGCCATTTCCGCTCCCTCAAGGTGCCCTCATCACTGTGTCCAAGGCCAA
 GATCCTCCTAGTTCTGTTCTACCCCATCAATTCTGTGCAATCCTTTCTCTATGCCATTTTACCAAG
 AACTTCCGAGGGACTTCTTCGCTGATGAGCAAGTTTGGCTGTTATGAGGTGCAAGGCCAGATTTACA
 AGACAGAAACCTCATCTATTACCACAACCTCCACTCCAGAAAGAATCCCTGTTCTCGGCTCCAGAGT
 CACCAATAGTTACGTGCTTGCCCTCTAAATCATTCACTCCAGAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013523
Insert Size: 2079 bp

OTI Disclaimer: 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.

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](#)

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: [BC137990](#), [AAI37991](#)

RefSeq Size: 2219 bp

RefSeq ORF: 2079 bp

Locus ID: 14309

UniProt ID: [P35378](#)

Cytogenetics: 17 E5

Gene Summary: 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]