

Product datasheet for **RN209757**

Fshr (NM_199237) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fshr (NM_199237) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fshr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN209757 representing NM_199237
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTTGCTCCTGGTCTCCTTGTGGCATTCTTGGCACGGGATCTGGATGTCACTAGGCTGTGTC
 ATTGCTCTAATAGGGTCTTTCTCTGCCAAGACAGCAAGGTGACAGAGATTCCGACCGACCTCCCCGGAA
 CGCCATTGAAGTGGTTTGTGCTACCAAGCTTCGAGTCATCCCGAAAGGATCATTGCTGGATTGGA
 GACCTGGAGAAAAAGAGATCTCTCAGAAATGATGTCTTGGAAAGTAAAGAGGCAGATGTGTTCTCCAACC
 TACCCAAGTTGCATGAAATAGGATTGAAAAGGCCAACAACTTCTGTACATCAACCCGGAGGCCTTCCA
 GAATCTCCCCAGTCTCAGATATCTGTTAATATCCAACACAGGCATTAAGCACTTGCCAGCTGTTCACAAG
 ATCCAGTCTCTCCAAAAGTTCTACTAGACATTCAAGATAACATAAACATCCACATCGTTGCCAGGAACT
 CCTTCATGGGACTGAGTTTTGAAAGTGTGATTTATGGCTGAGTAAGAATGGGATTGAAGAAATACACAA
 CTGTGCATTCAACGGAACCTCAGTAGATGAAGTGAATCTAAGCGATAACAATAATTTGGAAGAATTGCCT
 AATGACGTTTTCCAGGGAGCCTCTGGGCCAGTCATTTTAGATATCTCAAGGACAAAGGTCCATTCCTTAC
 CAAACCATGGCTTAGAAAATCTGAAGAAGCTGAGGGCCAGGTCAACATACCGCTTGAAAAAGCTCCCTAA
 TCTGGACAAGTTTGTACCCTCATGGAGGCCAGCTCACCTACCCAGCCACTGTGTGCTTTTGCAAAAC
 TTGAAGCGGCAAACTCTGAACCTCATCCAATTTGCAACAAGTCTATTTAAGGCAAGATATTGATGATA
 TGACTCAAATGGGGATCAGAGAGTCTCTCTGATAGATGATGAACCCAGTTATGGAAAAGGATCTGACAT
 GATGTACAATGAATTTGATTATGACTTATGTAATGAAGTTGTTGATGTGACCTGCTCACCAGCCAGAT
 GCATTTAATCCATGTGAAGATATCATGGGGTACAACATCCTCAGGGTCTGATATGGTTTATTAGCATCC
 TGGCCATTACTGGGAACACCACAGTGTGGTGGTCTGACCACAAGCCAATACAACTAAGTGTGCCCCG
 GTTTCTTATGTGAACCTCGCCTTCGCTGATCTCTGCATAGGCATCTACTTGTACTTATAGCATCAGTT
 GACATCCATACCAAGAGCCAGTACCACAATATGCCATTGACTGGCAAACAGGAGCAGGCTGTGATGCTG
 CTGGCTTTTTCACTGTCTTTGCCAGTGAAGTGTGAGTCTACACATTGACAGCCATCACCCTAGAAAGATG
 GCATACCATCACACATGCTATGCAACTGGAATGCAAGGTGCAGCTCCGGCATGCTGCCAGCGTCATGGTA
 TTGGGCTGGACTTTTGCCTTCGAGCTGCTCTTCCCATCTTTGGCATCAGTAGCTACATGAAAGTGA
 GCATCTGCCTGCCATGGATATCGACAGCCCTTGTGACAGCTGTATGTTATGGCCCTCCTTGCCTCAA
 TGTCTGGCCTTTGTGGTCATCTGTGGCTGCTATACCCACATCTACCTCACAGTGAAGGAATCCTACCATT
 GTGCTCATCAAGCGACACCAAGATTGCAAGCGCATGGCCACACTCATCTTACAGACTTTCTCTGCA
 TGGCCCCATTTCACTTTTGCATTTCTGCCTCCCTCAAGGTGCCGCTCATCACTGTGTCCAAGGCCAA
 GATTCTCCTAGTTCTGTTCTACCCCATCAATTCTGTGCCAATCCTTTCTCTACGCCATTTTACCAAG
 AACTTCCGAGGGACTTCTTATCCTGCTGAGCAAGTTTGGCTGTTATGAAATGCAAGGCCAGATTTACA
 GGACAGAAACCTCATCCGCTACCCACAACCTCCATGCCCGAAAGAGCCACTGCTCCTCAGCTCCCAGAGT
 CACCAATAGTTACGTGCTTGTCCCTCTTAATCATTATCCAGAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1930_c02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_199237

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: [NM_199237.1](#), [NP_954707.1](#)

RefSeq Size: 2366 bp

RefSeq ORF: 2079 bp

Locus ID: 25449

UniProt ID: [P20395](#)

Cytogenetics: 6q12

Gene Summary: testicular receptor for follicle stimulating hormone; stimulates adenylyl cyclase activity [RGD, Feb 2006]