

Product datasheet for **MR224048**

Ghrhr (NM_001003685) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ghrhr (NM_001003685) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ghrhr
Synonyms:	Ghrfr; lit; little
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR224048 representing NM_001003685
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGATGGCCTGATGTGGCTACCCGATCCTCTGCTGAGCCTGTGCGGAGTTACACTGGGTCAAC
 TCCACCTAGAATGTGACTTCATCACTCAGCTGAGAGACGATGAGCTTGCATGTCTTCAGGCGGCAGAGGG
 GACCAACAACACCTCCCTGGGATGCCCTGGGACCTGGGATGGGCTGCTGTGCTGGCCCCGACAGGCTCT
 GGCCAGTGGTCTCTCTCCCTGCCCTGAATCTTCTCTCACTTCGGCTCAGACACAGGGTTTGTGAAGA
 GGGACTGCACCATCACTGGCTGGTCTAATCCCTTCCCACCATACCCTGTGGCTTGGCCTGTGCCCTTGA
 ACTGTTAACCAAGGAGAAATCGTACTTCTCCACGGTGAAGATCATCTACACCACGGGCCACAGCATCTCC
 ATTGTAGCCCTGCGTGGCTATTGCCATCCTGGTTGCCCTCAGGAGGCTCCACTGCCCCAGGAAGTACA
 TCCACACGCAGCTGTTTCCACCTTCACTCAAGGCCAGTGTGTTCTTGAAGGATGCCGCCATCTT
 CCAGGGGGATAGCACGGACCACTGCAGCATGTCCACTGTCTGTGCAAGGTCTCTGTGGCCATCTACAT
 TTGGCCACCATGACCAACTTCAGCTGGCTGTTGGCAGAAGCTGTCTACCTGAGCTGCCTGTTGGCCTCCA
 CATCCCCAGGTCAAACCAGCTTTTGGTGGCTGGTCTGGCTGGCTGGGGCTCCCCGTGCTATGCAC
 TGGTACGTGGGTGGGCTGCAAACCTGGCTTTTGGAGACACTGAGTGTGGGACTTAGACAACAGCTCCCC
 TGCTGGTGGATCATCAAAGGACCATAGTCTCTCTGTTGGGGTGAACCTTGGGCTGTTTCTCAATATAA
 TTTGTATCCTGCTGAGGAAGCTGGAGCCTGCACAAGGCGGCCACACACCGGGCTCAGTACTGGCGGCT
 TTCAAAGTCAACACTTCTCCTTATACCGCTGTTTGAATTCATTACATCATCTTCAACTTCTGCCTGAC
 AGTGTGGCCTTGACATCCGTGTACCCCTGGAGCTGGGTTGGGTCCTTTCAGGGCTCATTGTTGCTG
 TCCTCTACTGCTTCTCAATCAAGAGGTGAGGACAGAGATTTACGCAAATGGTATGGCCACGACCCTGA
 ACTTCTGCCAGCTCGACGGACCTGCACTGAGTGGACCACACCTCCCCGATCGAGATTGAAGGTGCTGACC
 TCTGAGTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224048 representing NM_001003685
 Red=Cloning site Green=Tags(s)

MDGLMWATRILCLLSLCGVTLGHLHLECDFITQLRDELACLQAAEGTNNTSLGCPGTWDGLLCWPPTGS
 GQWVSLPCPEFFSHFGSDTGFVKRDCTITGWSNPFPPYPVACPVLELLTKEKSYFSTVKIYYTGHSHS
 IVALCVAIAILVALRRLHCPNYIHTQLFATFILKASAVFLKDAEIFQGDSTDHCSMSTVLCKVSVASH
 LATMTNFSWLLAEAVYLSCLLASTSPRSKPAFWLVLAWGLPVLTGTWVGCKLAFEDTECWDLDNSSP
 CWWIIKGPVLSVGVNFGFLNIICILLRKLPAQGGHTRAQYWRLSKSTLLL IPLFGIHYIIFNFLPD
 SAGLDIRVPLELGLGSFQGFIVAVLYFLNQEVRTESISRWYGHDPPELLPARRTCTEWTPPRSRCLKVLT
 SEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9018_b01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001003685

ORF Size: 1269 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_001003685.3](#), [NP_001003685.2](#)

RefSeq Size: 1598 bp

RefSeq ORF: 1272 bp

Locus ID: 14602

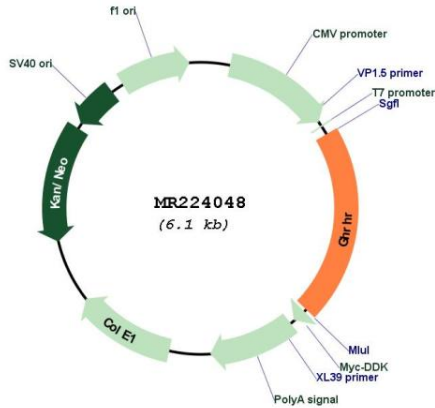
UniProt ID: [P32082](#)

Cytogenetics: 6 27.38 cM

MW: 47.5 kDa

Gene Summary: Receptor for GRF, coupled to G proteins which activate adenylyl cyclase. Stimulates somatotroph cell growth, growth hormone gene transcription and growth hormone secretion. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224048