

Product datasheet for **MG224048**

Ghrhr (NM_001003685) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ghrhr (NM_001003685) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ghrhr
Synonyms:	Ghrfr; lit; little
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224048 representing NM_001003685 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGGCCTGATGTGGGCTACCCGTATCCTCTGCTTGCTGAGCCTGTGCGGAGTTACACTGGGTCACT
TCCACCTAGAATGTGACTTCATCACTCAGCTGAGAGACGATGAGCTTGCATGTCTTCAGGCGGCAGAGGG
GACCAACAACACCTCCCTGGGATGCCCTGGGACCTGGGATGGGCTGCTGTGCTGGCCCCAACAGGCTCT
GGCCAGTGGGTCTCTCTCCCTGCCCTGAATTCTCTCACTTCGGCTCAGACACAGGGTTTGTGAAGA
GGGACTGCACCATCACTGGCTGGTCTAATCCCTTCCCACCATACCCTGTGGCTTGCCTGTGCCCTTGA
ACTGTTAACCAAGGAGAAATCGTACTTCTCCACGGTGAAGATCATCTACACCACGGGCCACAGCATCTCC
ATTGTAGCCCTCTGCGTGGCTATTGCCATCCTGTTGCCCTCAGGAGGCTCCACTGCCCCAGGAACATA
TCCACACGCAGCTGTTTGCCACCTTCATCCTCAAGGCCAGTGCTGTGTTCTGAAGGATGCCGCCATCTT
CCAGGGGGATAGCACGGACCACTGCAGCATGTCCACTGTCCTGTGCAAGGTCTCTGTGGCCATCTCAT
TTGGCCACCATGACCAACTTCAGCTGGCTGTTGGCAGAAGCTGTCTACCTGAGCTGCCTGTTGGCCTCCA
CATCCCCAGGTCAAACCAGCTTTTTGGTGGCTGGTCTGGCTGGCTGGGGCTCCCCGTGCTATGCAC
TGGTACGTGGGTGGGCTGCAAACCTGGCTTTTGAGGACACTGAGTGTGGGACTTAGACAACAGCTCCCC
TGCTGGTGGATCATCAAAGGACCATAGTCTCTCTGTTGGGTGAACCTTGGGCTGTTTCTCAATATA
TTGTATCCTGCTGAGGAAGCTGGAGCCTGCACAAGCGGCCACACACAGGGCTCAGTACTGGCGGCT
TTCCAAGTCAACACTTCTCCTTATACCGTGTGGTGAATTCATTACATCATCTTCAACTTCTGCCTGAC
AGTGTGGCCTTGACATCCGTGTACCCCTGGAGCTGGGTTGGGTCCTTTCAGGGCTTCATTGTTGCTG
TCCTCTACTGCTTCTCAATCAAGAGGTGAGGACAGAGATTTACGCAAATGGTATGGCCACGACCTGA
ACTTCTGCCAGCTCGACGGACCTGCACTGAGTGGACCACCTCCCCGATCGAGATTGAAGGTGCTGACC
TCTGAGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224048 representing NM_001003685
 Red=Cloning site Green=Tags(s)

MDGLMWATRILCLLSLCGVTLGHLHLECDFITQLRDELAQLAAEGTNNTSLGCPGTWDGLLCWPPTGS
 GQWVSLPCPEFFSHFGSDTGFVKRDCTITGWSNPFPPYPVACPVLELLTKEKSYFSTVKIYTTGHSIS
 IVALCVAIAILVALRRLHCPRNYIHTQLFATFILKASAVFLKDAEIFQGDSTDHCSMSTVLCKVSVVAISH
 LATMTNFSWLLAEAVYLSCLLASTSPRSKPAFWLVLVAGWGLPVLCTGTWVGCKLAFEDTECWLDNSSP
 CWWIKGPVLSVGVNFGFLNIICILLRKLPAQGGHLHTRAQYWRLSKSTLLLIPLFGIHYIIFNFLPD
 SAGLDIRVPLELGLGSFQGFIVAVLYCFLNQEVRTEISRKYGHDPPELLPARRTCTEWTTPPRSRLKVLV
 SEC

TRTRPLE - GFP Tag - V

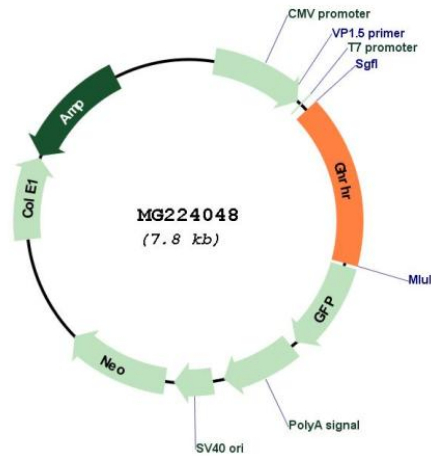
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	NM_001003685.2
RefSeq Size:	1598 bp
RefSeq ORF:	1272 bp
Locus ID:	14602
UniProt ID:	P32082
Cytogenetics:	6 27.38 cM
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]