

Product datasheet for **MG226450**

Hrh1 (NM_008285) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Hrh1 (NM_008285) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Hrh1 |
| Synonyms: | Bphs; H1R; HH1R; Hir |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MG226450 representing NM_008285
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGAGCCTTCCCAACACCTCTTCTGCCTCCGAAGACAAGATGTGTGAGGGGAACAGGACAGCCATGGCCA
 GCCTCAGCTGCTGCCCTGGTGGTGGTCTAAGTAGTATCTCCCTGGTCACAGTGGGCCTCAACCTGCT
 GGTGCTGTATGCAGTGCGCAGTGAAGCAAGCTACACACCTGGGCAACCTGTACATTGTGACGCTGTG
 GTAGCAGACCTGATTGTAGGGGAGTGTGTCATGCCCATGAACATCCTCTATCTTATCATGACCAAGTGGT
 CCCTGGGCGCCCTCTGCCTCTTTGGCTCTCTATGGATTATGTGGCCAGCACGGCATCCATCTTTAG
 TGTCTTCACTCTGTATTGATCGCTACCCTGTCCAGCAACCCCTCCGGTACCTGAGGTATCGAACC
 AAGACCGTGCTTCAGTACCATCCTGGGGCTGGTTTCTCCTTCTGTGGTTATACTATACTTG
 GCTGGCATTCACTTCACGCCCTGGCCCAAGGCTTCGGGAAGATAAGTGTGAGACAGATTCTACAATGT
 CACTTGGTTCAAGATCATGACCCCATCATCAACTTCTACCTCCCACCTTGCTCATGCTGTGGTTCTAT
 GTGAAGATCTACAAGCTGTGCGGCGACTGTACGACCCGACACTCACCAACGGTCCCTCCCTACCT
 TTTTAGAAATCAAGCTGAGGTCCGAGGATGCCAAGAGGGTCCAAAGAACTGGGAAAGAGTCTCCCTG
 GGGGTCCAGAAGAGGCGCTCAAGAGACCTACTGGAGGTCTGGATCAGAAGTCAACATCTGAAGACCCC
 AAGGTGACCTCTCCGACTGTCTCAGCCAAGAGGGGAAAGGGAAACAGTCACACGCCCTGTTCCGTC
 TTGACGTCATGCAGACACAGCCTGTGCCTGAGGGAGATGCCAGGGGCTCAAAGGCCAATGACCAGACCT
 GAGCCAGCCAAAATGGATGAGCAGAGCCTGACTTCCCGGCGGATCAGTGAGACATCAGAGGACCAG
 ACCTTGGTGGATCGACAGTCTTCTCCCGACACAGACTCAGACACCAGCATAGAGCCAGGGCTGGGCA
 AAGTCAAAGCGAGAAGCAGGTCTAACAGTGGCTGGACTACATCAAAGTCACTGGAAGAGGCTTCCGTC
 ACATCCAGACAGTATGTGTCCGGTTGCACTTGAACCGAGAGCGGAAGGCAGCCAAGCAGTTGGGTTGT
 ATCATGGCAGCATTCTCTGCTGGATTCCCTATTTTCATCTTCTTCATGGTCATTGCCTTCTGCAACA
 GCTGCTGCAGCAACCTGTGCACATGTTACCATTGGCTGGGTACATCAACTCCACGCTGAACCCCT
 CATCTACCCGCTGTGCAACGAGAACTTCAAGAAGACATTCAAAAAAATTCTGCACATTCTTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226450 representing NM_008285
 Red=Cloning site Green=Tags(s)

MSLPNTSSASEDKMCEGNRTAMASPQLLPLVVLSSISLVTVGLNLLVLVAVRSEKRLHTVGNLYIVSL
 VADLIVGAVVMPMNILYLIMTKWSLGRPLCLFWLSMDYVASTASIFSVFILDIDRYRSVQQPLRYLR
 YRTKTRASATILGAWFLSFLWVPIILGWHHFTPLAPELREDKCETDFYNVTWFKIMTAIINFYLP
 TLLMLWFYVKIYKAVRRHCQHRQLTNGSLPTFLEIKLRSEDAKEGAKKPGKESPWGVQKRP
 SRDPTGGLDQKSTSEDPKVTSPVFSQEGERETVTRPCFRLDVMQTQPVEGDARGSKANDQTL
 SQPKMDEQSLSTCRRRISETSEDQTLVDRQSFSRITDSDTSIEPGLGKVKARSRSNSGLDYIKV
 TWKRLRSHSRQYVSGLHLNRERKAAKQLGCIIMAAFILCWIPYFIFFMVI AFCNSCCSEP
 VHMFTIWLGYINSTLNPLIYPLCNENFKKTFKILHIRS

TRTRPLE - GFP Tag - V

Restriction Sites:

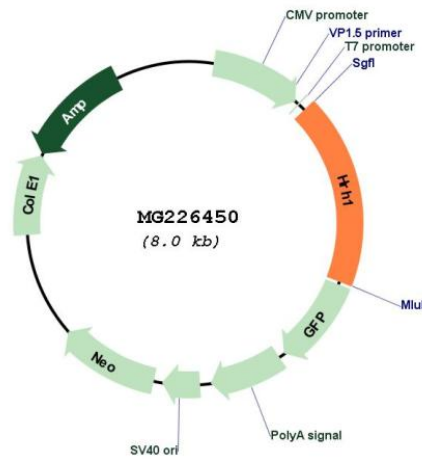
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008285
 ORF Size: 1464 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_008285.3, NP_032311.2</p> |
| RefSeq Size: | <p>3782 bp</p> |
| RefSeq ORF: | <p>1467 bp</p> |
| Locus ID: | <p>15465</p> |
| UniProt ID: | <p>P70174</p> |
| Cytogenetics: | <p>6 53.05 cM</p> |
| Gene Summary: | <p>In peripheral tissues, the H1 subclass of histamine receptors mediates the contraction of smooth muscles, increase in capillary permeability due to contraction of terminal venules, and catecholamine release from adrenal medulla, as well as mediating neurotransmission in the central nervous system. Involved in circadian rhythm of locomotor activity and exploratory behavior. Also involved in responsiveness to pertussis toxin through its control of susceptibility to histamine hypersensitivity and enhancement of antigen-specific delayed-type hypersensitivity responses.[UniProtKB/Swiss-Prot Function]</p> |