

Product datasheet for **MC227966**

Hrh1 (NM_001252643) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Hrh1 (NM_001252643) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Hrh1 |
| Synonyms: | Bphs; H1R; HH1R; Hir |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC227966 representing NM_001252643
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCTCCCAACACCTCTTCTGCCTCCGAAGACAAGATGTGTGAGGGGAACAGGACAGCCATGGCCA
 GCCCTCAGCTGCTGCCCCGGTGGTGGTTCTAAGTAGTATCTCCCTGGTACAGTGGGCCTCAACCTGCT
 GGTGCTGTATGCAGTGGCAGTGAAGCAAGCTACACACCGTGGGCAACCTGTACATTGTGACGCTGTCG
 GTAGCAGACCTGATTGTAGGGGAGTCTGTCATGCCATGAACATCCTCTATCTTATCATGACCAAGTGGT
 CCCTGGGCGCCCCCTGCTCTTTGGCTCTCTATGGATTATGTGGCCAGCACGGCATCCATCTTTAG
 TGTCTTCATCCTGTATTGATCGCTACCCTGTCCAGCAACCCCTCCGGTACCTGAGGTATCGAACC
 AAGACCGTGCTCAGCTACCATCCTGGGGCCTGGTTTCTCCTTCTGTGGTTATACTATACTTG
 GCTGGCATCACTTCACGCCCTGGCCCCAGAGCTTCGGGAAGATAAGTGTGAGACAGATTCTACAATGT
 CACTTGGTTCAAGATCATGACCGCCATCATCAACTTCTACCTCCCCTTTGCTCATGCTGTGGTCTAT
 GTGAAGATCTACAAGGCTGTGCGGCGACTGTCAGCACCGCCAGCTCACCAACGGGTCCCTCCCTACCT
 TTTTAGAAATCAAGCTGAGGTCCGAGGATGCCAAAGAGGGTGCCAAAGAACTGGGAAAGAGTCTCCCTG
 GGGGTCCAGAAGAGGCCGTCAAGAGACCCTACTGGAGGTCTGGATCAGAAGTCAACATCTGAAGACCC
 AAGGTGACCTCTCCGACTGTCTTCAGCCAAGAGGGGAAAGGGAAACAGTCACACGCCCTGTTCCGTC
 TTGACGTCATGCAGACACAGCCTGTGCCTGAGGGAGATGCCAGGGGCTCAAAGGCCAATGACCAGACCT
 GAGCCAGCCAAAATGGATGAGCAGAGCCTGAGTACTTCCCGCGGATCAGTGAGACATCAGAGGACCAG
 ACCTTGGTGGATCGACAGTCTTCTCCCGACCACAGACTCAGACACCAGCATAGAGCCAGGGCTGGCA
 AAGTCAAAGCGAGAAGCAGGTCTAACAGTGGCCTGGACTACATCAAAGTCACTGGAAGAGGCTCCGCTC
 ACATTCCAGACAGTATGTGTCGGGTTGCACTTGAACCGAGAGCGGAAGGCAAGCAAGTGGGTTGT
 ATCATGGCAGCATTATTCTCTGCTGGATTCCCTATTTTCTTCTTTCATGGTCATTGCCTTCTGCAACA
 GCTGCTGCAGCAACCTGTGCACATGTTACCATTGGCTGGGCTACATCAACTCCACGCTGAACCCCT
 CATCTACCGCTGTGCAACGAGAAGTCAAGAAGACATTCAAAAAATTCTGCACATTGTTCT**TAA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001252643
- Insert Size:** 1467 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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).

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| 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_001252643.2 , NP_001239572.1 |
| RefSeq Size: | 3870 bp |
| RefSeq ORF: | 1467 bp |
| Locus ID: | 15465 |
| UniProt ID: | P70174 |
| Cytogenetics: | 6 53.05 cM |
| 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> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 6. Variants 1 through 6 encode the same protein.</p> |