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Product datasheet for MC208708

Hrh2 (NM_008286) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hrh2 (NM_008286) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hrh2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC208708 representing NM_008286
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCCCAATGGCACGGTTCATTCCTGCTGTTTGGACTCTATTGCATTGAAAGTCACCATCAGTGTGG
TCCTCACCACCCTCATCTTCATCACTGTTGCTGGCAATGTGGTCGTCTGCCTGGCTGTCAGCTTGAATCG
TCGGCTCCGCAGTCTGACCAATTGCTTCATTGTGTCCCTGGCAGCCACTGACCTGCTTCTTGGCCTCCTG
GTGATGCCCTTCTCTGCCATTTACCAGTTGTCCTTCAAGTGGAGCTTTGGCCAGGTCTTCTGCAACATCT
ACACCAGCCTGGATGTGATGCTCTGCACAGCTTCCATCCTCAACCTCTTCATGATCAGCTTGGACCGCTA
CTGCGCTGTCACGGACCCACTGCGGTACCCCGTGTTGGTCACCCCTGTTCGCGTTGCCATCTCTTTGGTC
TTTATTTGGGTCATTTCCATCACCCTCTCCTTCCTCTCTATTCACCTAGGATGGAACAGCAGAAATGGGA
CCAGAGGGGGCAATGACACCTTCAAGTGCAAAGTGCAGGTCAACGAGGTATATGGACTGGTGGATGGGAT
GGTCACCTTCTACCTGCCTCTTCTCATCATGTGTGTCACCTACTACAGAATCTTTAAGATCGCCAGGGAG
CAAGCCAAGAGGATCAACCACATCAGCTCCTGGAAGGCAGCCACCATCAGAGAACACAAAGCCACCGTGA
CCCTGGCTGCCGTCATGGGAGCATTCATCGTCTGCTGGTTTCCTTACTTCACTGCCTTCGTTTACCGTGG
ACTGAGAGGGGATGACGCTGTGAACGAGGTGGTCGAGGGTATCGTCCTATGGTTGGGTTATGCCAATTCA
GCCCTGAACCCCATCCTGTACGCCACCCTCAACAGAGACTTCCGCATGGCGTACCAACAGCTCTTCCACT
GCAAGCTTGCAAGCCACAACTCTCACAAAACTTCCCTGAGGTTGAACAACTCTCTGCTGTCCAGGAGCCA
AAGCCGAGAAGGTAGATGGCAGGAGGAGAAGCCCCTGAAGCTTCAGGTGTGGAGTGGGACAGAACTCACA
CACCCCCAGGGAAGCCCAGTCAGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_008286

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Insert Size:	1077 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).
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_008286.2, NP_032312.2
RefSeq Size:	1580 bp
RefSeq ORF:	1077 bp
Locus ID:	15466
UniProt ID:	P97292
Cytogenetics:	13 28.4 cM
Gene Summary:	The H2 subclass of histamine receptors mediates gastric acid secretion. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has an alternate 3' sequence, as compared to variant 1. The encoded isoform 2 has a shorter C-terminus, as compared to isoform 1.

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