

Product datasheet for MR227315

Hrh2 (NM_008286) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hrh2 (NM_008286) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hrh2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR227315 representing NM_008286 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCCCAATGGCAGGTTTCATTCTGCTGTTGGACTCTATTGCATTGAAAGTCACCATCAGTGTGG
TCCTCACCACCCTCATCTTCATCACTGTTGCTGGCAATGTGGTCGTCGCTGGCTGTGAGCTTGAATCG
TCGGCTCCGAGTCTGACCAATTGCTTCATTGTGTCCCTGGCAGCCACTGACCTGCTTCTGGCCTCCTG
GTGATGCCCTTCTGCCATTTACCAGTTGTCCTTCAAGTGGAGCTTTGGCCAGGTCTTCTGCAACATCT
ACACCAGCCTGGATGTGATGCTCTGCACAGCTTCCATCCTCAACCTCTTCATGATCAGCTTGGACCGCTA
CTGCGCTGTACGGACCCACTGCGGTACCCCGTGTGGTCACCCCTGTTGCGGTTGCCATCTCTTTGGTC
TTTATTTGGGTCATTTCCATCACCCTCTCCTTCTCTATTACCTAGGATGGAACAGCAGAAATGGGA
CCAGAGGGGGCAATGACACCTTCAAGTGCAAAGTGCAGGTCAACGAGGTATATGGACTGGTGGATGGAT
GGTCACCTTCTACCTGCCTTCTCATCATGTGTGTACCTACTACAGAATCTTTAAGATCGCCAGGGAG
CAAGCCAAGAGGATCAACCACATCAGCTCCTGGAAGGCAGCCACCATCAGAGAACACAAAGCCACCGTGA
CCCTGGCTGCCGTATGGGAGCATTTCATGCTGCTGGTTTCTTACTTCACTGCCTTCTTTACCGTGG
ACTGAGAGGGGATGACGCTGTGAACGAGGTGGTCGAGGGTATCGTCCTATGGTTGGGTTATGCCAATTCA
GCCCTGAACCCCATCCTGTACGCCACCCTCAACAGAGACTTCCGCATGGCGTACCAACAGCTCTTCCACT
GCAAGCTTGAAGCCACAACCTCTCACAACCTTCCCTGAGGTTGAACAACCTCTGCTGTCCAGGAGCCA
AAGCCGAGAAGGTAGATGGCAGGAGGAGAAGCCCTGAAGCTTCAAGTGTGGAGTGGGACAGAACCTCACA
CACCCCGAGGAAGCCAGTCAGG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR227315 representing NM_008286
 Red=Cloning site Green=Tags(s)

MEPNGTVHSCCLDSIALKVTISVLTLLIFITVAGNVVCLAVSLNRRLRSLTNCFIVSLAATDLLLGLL
 VMPFSAIYQLSFKWSFGQVFCNIYTSLDVMLCTASILNLFMISLDRYCAVDPLRYPVLVTPVRVAISLV
 FIWVISITLSFLSIHLGWSNRNGTRGGNDTFKCKVQVNEVYGLVDGMVTFYLP LLIMCVTYRIFK IARE
 QAKRINHISSWKAATIREHKATVTLAAVMGAFIVCWFPYFATFVYRGLRGDDAVNEVVEGIVLWLYANS
 ALNPILYATLNRDFRMAYQQLFHCKLASHNSHKTSLRLNNSLLSRSQSREGRWQEEKPLKLQVWSGTELT
 HPQGSPVR

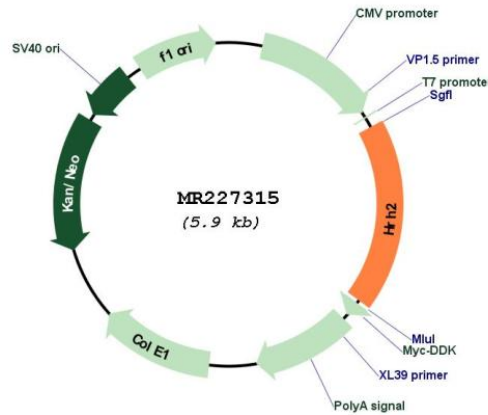
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008286

ORF Size:	1074 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_008286.2 , NP_032312.2
RefSeq Size:	1580 bp
RefSeq ORF:	1077 bp
Locus ID:	15466
UniProt ID:	P97292
Cytogenetics:	13 28.4 cM
MW:	40.7 kDa
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]