

Product datasheet for **MG227315**

Hrh2 (NM_008286) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hrh2 (NM_008286) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hrh2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227315 representing NM_008286 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCCAATGGCACGGTTCATTCTGCTGTTGGACTCTATTGCATTGAAAGTCACCATCAGTGTGG
TCCTCACCACCCTCATCTTCATCACTGTTGCTGGCAATGTGGTCGCTGCCTGGCTGTCAGCTTGAATCG
TCGGCTCCGCAGTCTGACCAATTGCTTCATTGTGTCCCTGGCAGCCACTGACCTGCTTCTGGCCCTCCTG
GTGATGCCCTTCTCTGCCATTTACCAGTTGTCTTCAAGTGGAGCTTTGGCCAGGTCTTCTGCAACATCT
ACACCAGCCTGGATGTGATGCTCTGCACAGCTTCCATCCTCAACCTCTTCATGATCAGCTTGGACCGCTA
CTGCGCTGTACGACCCACTGCGGTACCCCGTGTGGTACCCCTGTTGCGGTTGCCATCTCTTTGGTC
TTTATTTGGGTCAATTTCCATCACCTCTCCTTCTCTCTATTACCTAGGATGGAACAGCAGAAATGGGA
CCAGAGGGGGCAATGACACCTTCAAGTGCAAAGTGCAGGTCAACGAGGTATATGGACTGGTGGATGGGAT
GGTCACCTTCTACCTGCCTCTTCTCATCATGTGTGTCACCTACTACAGAATCTTTAAGATCGCCAGGGAG
CAAGCCAAGAGGATCAACCACATCAGCTCCTGGAAGGCAGCCACCATCAGAGAACACAAAGCCACCCTGA
CCCTGGCTGCCGTCATGGGAGCATTTCATCGTCTGCTGGTTTCTTACTTCACTGCCTTCGTTTACCGTGG
ACTGAGAGGGGATGACGCTGTGAACGAGGTGGTCGAGGGTATCGTCTATGGTTGGGTTATGCCAATTCA
GCCCTGAACCCCATCCTGTACGCCACCCTCAACAGAGACTTCCGCATGGCGTACCAACAGCTCTTCCACT
GCAAGCTTGCAAGCCACAACCTCTCACAACACTTCCCTGAGGTTGAACAACCTCTCTGCTGTCCAGGAGCCA
AAGCCGAGAAGGTAGATGGCAGGAGGAGAAGCCCTGAAGCTTCAGGTGTGGAGTGGGACAGAACCTCACA
CACCCCGAGGAAGCCAGTCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227315 representing NM_008286
 Red=Cloning site Green=Tags(s)

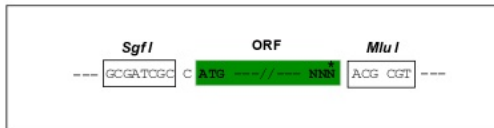
MEPNGTVHSCCLDSIALKVTISVVLTTLIFITVAGNVVCLAVSLNRRLRSLTNCFIVSLAATDLLLGLL
 VMPFSAIYQLSFKWSFGQVFCNIYTSLDVMLCTASILNLFMISLDRYCAVDPLRYPVLVTPVRVAISLV
 FIWVISITLSFLSIHLGWSNRNGTRGGNDTFKCKVQVNEVYGLVDGMVTFYLPPLLIMCVTYRIFKIARE
 QAKRINHISSWKAATIREHKATVTLAAVMGAFIVCWFPYFTAFVYRGLRGDDAVNEVEGIVLWLGYANS
 ALNPILYATLNRDFRMAQQLFHCKLASHNSHKTSLRLNNSLLSRSQSQREGRWQEEKPLKLQVWSGTELT
 HPQGSPVR

TRTRPLE - GFP Tag - V

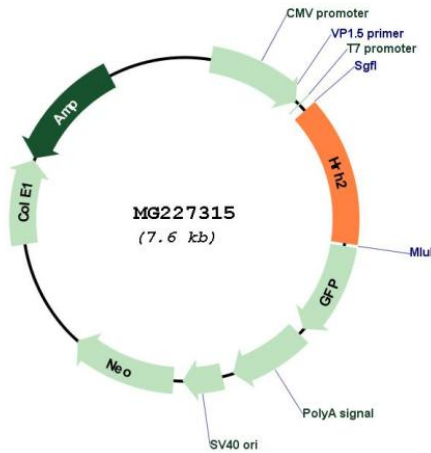
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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
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]