

Product datasheet for **MG223520**

Hrh3 (NM_133849) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hrh3 (NM_133849) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hrh3
Synonyms:	AW049250; H3R; HH3R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG223520 representing NM_133849
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCGCGCGCCGCCGACGGGCTGATGAACGCGTCGGGCGCTCTGGCCGGAGAGGGCGCGGCTGCAG
 GCGGGGCGCGCGCTTCTCGGCTGCCTGGACCGCTGTCTGGCTGCGCTCATGGCCGTGCTCATCGTGGC
 CACAGTGTGGGCAACGCGCTGGTCATGCTCGCCTTCGTGGCGGATTTCGAGCCTCCGCACCCAGAACAAC
 TTCTTTCTGCTCAACCTCGCCATCTCCGACTTCCTCGTGGGTGCCTTCTGCATCCCATTGTATGTACCTT
 ATGTGCTGACCGGCCGTTGGACCTTTGGCCGGGCTCTGCAAGCTGTGGCTGGTGGTAGACTACCTACT
 GTGTGCCTCCTCAGTCTTCAACATCGTGTGATCAGCTATGACCGATTCTGTGCTGCTGAGCTGCTGTC
 TCCTACCGGGCCAGCAGGGGGACACAAGACGGGCTGTCGGAAGATGGCACTGGTGTGGGTGCTGGCCT
 TCCTGCTGTATGGGCTGCCATCCTGAGTTGGGAGTACCTGTCCGGTGGCAGCTCCATCCCCGAGGGCCA
 CTGCTATGCTGAGTTCTTCTACAACCTGGTACTTTCTCATCACGGCCTCCACCCTCGAGTTCTTACACCC
 TTCTCAGCGTTACCTTCTTCAACCTCAGCATCTACCTGAACATCCAGAGGCGCACTCGTCTTCGGCTGG
 ATGGGGGCGGAGAGGCTGGTCCAGAACCCACCTGATGCCCAACCCCTCGCCACCTCCAGCTCCCCCCAG
 CTGCTGGGGCTGCTGGCCAAAGGGGACGGGGAGGCCATGCCATTGCACAGGTATGGGGTGGGTGAGGCA
 GGCCCTGGTGTGAGACTGGGGAGGCTGGCCTCGGGGGTGGCAGCGGTGGAGGCGCTGCTGCCTCGCCTA
 CCTCCAGCTCCGGCAGCTCCTCAAGGGGCACTGAGAGGCCACGCTCACTCAAAGGGGCTCCAAGCCATC
 AGCGTCTTCAGCGTCTTGAGAAGCGCATGAAGATGGTATCCCAAAGCATCACCCAGCGCTTTCGGCTG
 TCGCGGGACAAGAAGGTAGCCAAGTGCCTGGCTATCATCGTGAAGCATCTTTGGGCTCTGCTGGGCCCCGT
 ACACACTCCTCATGATCATCCGGGCTGCTTGCCATGGCCACTGCGTCCCCGACTACTGGTACGAGACGTC
 TTCTGCGTCTGTGGGCAACTCGGCCGTCAACCCCGTCTCTACCCACTGTGCCACTACAGCTTCCGT
 AGAGCCTTACCAAGCTCCTCTGCCCCAGAAGCTCAAGGTCCAGCCCCATGGCTCCCTGGAGCAGTGT
 GGAAAG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223520 representing NM_133849
 Red=Cloning site Green=Tags(s)

MERAPPDGLMNASGALAGEAAAAGGARGFSAAWTAVLAALMALLIVATVLGNALVMLAFVADSSLRTQNN
 FFLLNLAISDFLVGAFCIPLYVPYVLTGRWTFGRGLCKLWLVVDYLLCASSVFNIVLISYDRFLSVTRAV
 SYRAQQGDTRRAVRKMALVWVLAFLLYGPAILSWEYLSGGSSIPEGHCYAEFFYNWYFLITASTLEFFTP
 FLSVTFNLSIYLNIIQRRLRLDGGREAGPEPPPDAQSPPPAPPSCWGCWPKGHGEAMPLHRYGVGEA
 GPGVETGEAGLGGGSGGAAASPTSSSGSSRGTERPRSLKRGSKPSASSASLEKRMKMVSQSITQRFL
 SRDKKVAKSLAIIIVSIFGLCWAPYTLMIIRAACHGHCVDPYWYETSFWLLWANSVNPVLYPLCHYSFR
 RAFTKLLCPQKLKVQPHGSLEQCWK

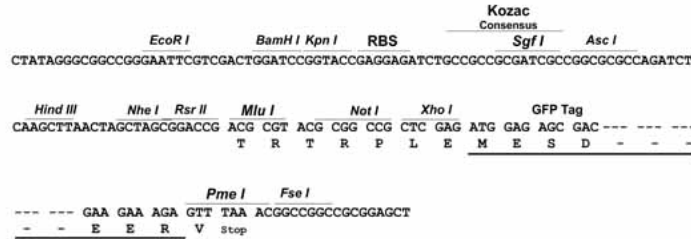
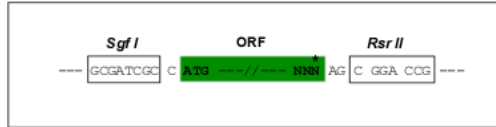
SGP**TRRRLE** - GFP Tag - V

Restriction Sites:

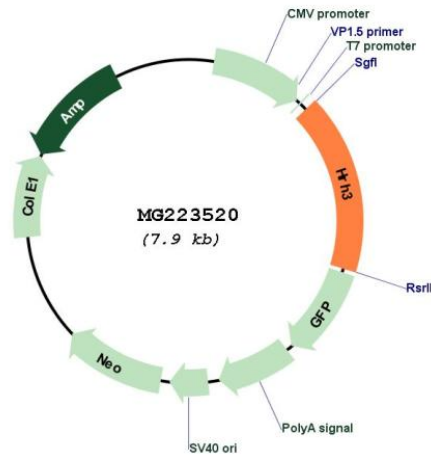
Sgfl-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_133849

ORF Size: 2638 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:	<u>NM_133849.3, NP_598610.1</u>
RefSeq ORF:	1338 bp
Locus ID:	99296
UniProt ID:	<u>P58406</u>
Cytogenetics:	2 102.62 cM
Gene Summary:	The H3 subclass of histamine receptors could mediate the histamine signals in CNS and peripheral nervous system. Signals through the inhibition of adenylate cyclase and displays high constitutive activity (spontaneous activity in the absence of agonist) (By similarity). [UniProtKB/Swiss-Prot Function]