

Product datasheet for **MR223520**

Hrh3 (NM_133849) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hrh3 (NM_133849) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hrh3
Synonyms:	AW049250; H3R; HH3R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR223520 representing NM_133849
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGCGCGCCGCCGACGGGCTGATGAACCGCTCGGGCGCTCTGGCCGGAGAGGGCGCGGCTGCAG
 GCGGGGCGCGCGCTTCTCGGCTGCCTGGACCGCTGTCTGGCTGCGCTCATGGCGCTGCTCATCGTGCC
 CACAGTGTGGGCAACGCGCTGGTCATGCTCGCCTTCGTGGCGGATTTCGAGCCTCCGCACCCAGAACAAC
 TTCTTTCTGCTCAACCTCGCCATCTCCGACTTCCTCGTGGGTGCCTTCTGCATCCCATTGTATGTACCTT
 ATGTGCTGACCGGCCGTTGGACCTTTGGCCGGGCGCTCTGCAAGCTGTGGCTGGTGGTAGACTACCTACT
 GTGTGCCTCCTCAGTCTCAACATCGTGTGATCAGCTATGACCGATTCTGTGCTGCTGAGCTGCTGCT
 TCCTACCGGGCCAGCAGGGGGACACAAGACGGGCTGTCGGAAGATGGCACTGGTGTGGGTGCTGGCCT
 TCCTGCTGTATGGGCTGCCATCCTGAGTTGGGAGTACCTGTCCGGTGGCAGCTCCATCCCCGAGGGCCA
 CTGCTATGCTGAGTTCTTCTACAACCTGGTACTTTCTCATCACGGCCTCCACCCTCGAGTTCTTACACCC
 TTCTCAGCGTTACCTTCTTCAACCTCAGCATCTACCTGAACATCCAGAGGCGCACTCGTCTTCGGCTGG
 ATGGGGGCGGAGAGGCTGGTCCAGAACCCACCTGATGCCAACCCCTCGCCACCTCCAGCTCCCCCCAG
 CTGCTGGGGCTGCTGGCCAAAGGGGCACGGGGAGGCCATGCCATTGCACAGGTATGGGGTGGGTGAGGCA
 GGCCCTGGTGTGAGACTGGGGAGGCTGGCCTCGGGGGTGGCAGCGGTGGAGGCGCTGCTGCCTCGCCTA
 CCTCCAGCTCCGGCAGCTCCTCAAGGGGCACTGAGAGGCCACGCTCACTCAAAGGGGCTCCAAGCCATC
 AGCGTCTTCAGCGTCTTGAGAAGCGCATGAAGATGGTATCCAAAGCATCACCCAGCGCTTTCGGCTG
 TCGCGGGACAAGAAGGTAGCCAAGTCTGGCTATCATCGTGAAGTCTTTGGGCTCTGCTGGGCCCCGT
 ACACACTCCTCATGATCATCCGGGCTGCTTGCCATGGCCACTGCGTCCCCGACTACTGGTACGAGACGTC
 CTCTGGCTTCTGTGGGCAACTCGGCCGTCAACCCCGTCTCTACCCACTGTGCCACTACAGCTTCCGT
 AGAGCCTTACCAAGCTCCTCTGCCCCAGAAGCTCAAGTCCAGCCCCATGGCTCCCTGGAGCAGTGT
 GGAAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR223520 representing NM_133849
 Red=Cloning site Green=Tags(s)

MERAPPDGLMNASGALAGEAAAAGGARGFSAAWTAVLAALMALLIVATVLGNALVMLAFVADSSLRTQNN
 FFLLNLAISDFLVGAFCIPLYVPYVLTGRWTFGRGLCKLWLVVDYLLCASSVFNIVLISYDRFLSVTRAV
 SYRAQQGDTRRAVRKMLVWVLAFLLYGPAILSWEYLSGGSSIEGHICYAEFFYNWYFLITASTLEFFTP
 FLSVTFNLSIYLNIIQRRLRLDGGREAGPEPPDAQPSPPPAPPSCWGCWPKGHGEAMPLHRYGVGEA
 GPGVETGEAGLGGGSGGAAASPTSSSGSSRGTERPRSLKRGSKPSASSASLEKRMKMVSQSITQRFRL
 SRDKKVAKSLAIIIVSIFGLCWAPYTLMIIRAACHGHCVDPYWYETSFWLLWANSVAVNPVLYPLCHYSFR
 RAFTKLLCPQKLKVPKPHGSLEQCWK

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_f07.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_133849

ORF Size: 1335 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:

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_133849.3](#), [NP_598610.1](#)

RefSeq Size: 2641 bp

RefSeq ORF: 1338 bp

Locus ID: 99296

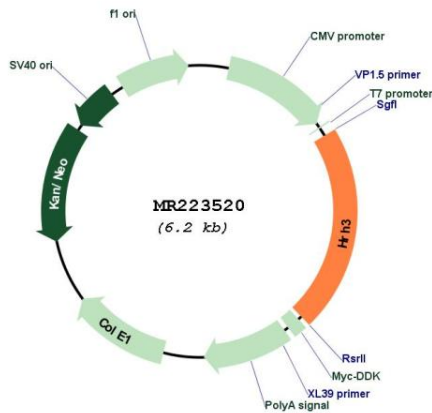
UniProt ID: [P58406](#)

Cytogenetics: 2 102.62 cM

MW: 49 kDa

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]

Product images:



Circular map for MR223520