

Product datasheet for **SC303895**

HRH3 (NM_007232) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HRH3 (NM_007232) Human Untagged Clone
Tag:	Tag Free
Symbol:	HRH3
Synonyms:	GPCR97; HH3R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC303895 sequence for NM_007232 edited (data generated by NextGen Sequencing)

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ATGGAGCGCGCCGCCCGACGGGCCGCTGAACGCTTCGGGGGCGCTGGCGGGCAGGGC
GCGGGCGGGGGCGGGCGCGGGCTTCTCGGCAGCCTGGACCGCGGTGCTGGCCCGGCTC
ATGGCGCTGCTCATCGTGGCCACGGTGTGGGCAACGCGCTGGTCATGCTCGCCTTCGTG
GCCGACTCGAGCCTCCGCACCCAGAACAACCTTCTCCTGCTCAACCTCGCCATCTCCGAC
TTCTCTCGTCGGCGCCTTCTGCATCCCACCTGTATGTACCCTACGTGCTGACAGGCCGTGG
ACCTTCGGCCGGGGCCTCTGCAAGCTGTGGCTGGTAGTGGACTACCTGCTGTGCACCTCC
TCTGCCTTCAACATCGTGTCTATCAGCTACGACCGCTTCTGTGCGGTACCCCGAGCGGTC
TCATACCGGGCCAGCAGGGTGACACGCGGGCGGCAAGATGCTGCTGGTGTGG
GTGCTGGCCTTCTGCTGTACGGACCAGCCATCCTGAGCTGGGAGTACCTGTCCGGGGGC
AGCTCCATCCCGAGGGCCACTGCTATGCCGAGTTCTTCTACAACCTGGTACTTCTCCTATC
ACGGCTTCCACCCTGGAGTTCTTACGCCCTTCTCAGCGTCACCTTCTTAACTCAGC
ATCTACCTGAACATCCAGAGGCGCACCCGCTCCGGCTGGATGGGGCTCGAGAGGCAGCC
GGCCCCGAGCCCCTCCCGAGGCCAGCCCTCACACCCACCCGCTGGCTGCTGGGGC
TGCTGGCAGAAGGGGCACGGGGAGGCCATGCCGCTGCACAGGTATGGGGTGGGTGAGGCG
GCCGTAGGCGCTGAGGCCGGGGAGGCGACCCTCGGGGGTGGCGGTGGGGGCGGCTCCGTG
GCTTACCCACCTCCAGCTCCGGCAGCTCCTCGAGGGGCACTGAGAGGCCGCGCTCACTC
AAGAGGGGCTCCAAGCCGTGCGGCTCCTCGGCCTCACTGGAGAAGCGCATGAAGATGGTG
TCCCAGAGCTTACCCAGCGCTTTCGGCTGTCTCGGGACAGGAAAGTGGCCAAGTCGCTG
GCCGTCATCGTGAGCATCTTTGGGCTCTGCTGGGCCCCATACACGCTGCTGATGATCATC
CGGGCCGCTGCCATGGCCACTGCGTCCCTGACTACTGGTACGAAACCTCCTTCTGGCTC
CTGTGGGCAACTCGGCTGTCAACCCTGTCTCTACCCTCTGTGCCACCACAGCTCCCGC
CGGGCCTTACCAAGCTGCTGCCCCAGAAGCTCAAATCCAGCCCCACAGCTCCCTG
GAGCACTGCTGGAAGTGA

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Clone variation with respect to NM_007232.2
996 g=>a

- Restriction Sites:** Please inquire
- ACCN:** NM_007232
- Insert Size:** 1300 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).
- OTI Annotation:** The ORF of this clone is found to be a perfect match to NM_007232.1.
- 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_007232.1 , NP_009163.1
RefSeq Size:	2699 bp
RefSeq ORF:	1338 bp
Locus ID:	11255
UniProt ID:	Q9Y5N1
Cytogenetics:	20q13.33
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors H1, H2, H3 and H4. This gene encodes one of the histamine receptors (H3) which belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and can regulate neurotransmitter release. This receptor can also increase voltage-dependent calcium current in smooth muscles and innervates the blood vessels and the heart in cardiovascular system. [provided by RefSeq, Jul 2008]</p>