

## Product datasheet for **SC325046**

### HRH2 (NM\_001131055) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HRH2 (NM_001131055) Human Untagged Clone
Tag:	Tag Free
Symbol:	HRH2
Synonyms:	H2R; HH2R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001131055 edited TGGCATAGTTGTCACATTGGGAGCAGAGAAGAAGCAACCAGGGCCCTGATCAGGGGACT GAGCCGTAGAGTCCCAGGATGGCACCCAATGGCACAGCCTCTTCCTTTTGCCTGGACTCT ACCGCATGCAAGATCACCATCACCGTGGTCCTTGCGGTCCTCATCCTCATCACCGTTGCT GGCAATGTGGTCTGTCTGGCCGTGGGCTTGAACCGCCGGCTCCGCAACCTGACCAAT TGTTTCATCGTGTCTTGGCTATCACTGACCTGCTCCTCGGCCTCCTGGTGTGCCCTTC TCTGCCATCTACCAGCTGTCTGCAAGTGGAGCTTTGGCAAGGTCTTCTGCAATATCTAC ACCAGCCTGGATGTGATGCTCTGCACAGCCTCCATTCTTAACCTCTTCATGATCAGCCTC GACCGGTACTGCGCTGTCATGGACCCACTGCGGTACCCTGTGCTGGTCACCCAGTTCGG GTCGCCATCTCTGGTCTTAATTTGGGTATCTCCATTACCCTGTCCTTTCTGTCTATC CACCTGGGGTGGAAACAGCAGGAACGAGACCAGCAAGGGCAATCATACCACCTCTAAGTGC AAAGTCCAGGTCAATGAAGTGTACGGGCTGGTGGATGGGCTGGTACCTTCTACCTCCC CTACTGATCATGTGCATCACCTACTACCGCATCTTCAAGGTGCGCCGGGATCAGGCCAAG AGGATCAATCACATTAGCTCCTGGAAGGCAGCCACCATCAGGGAGCACAAAGCCACAGTG ACACTGGCCGCGTATGGGGCCCTTATCATCTGCTGGTTTTCCCTACTTACCAGCGTTT GTGTACCGTGGGCTGAGAGGGGATGATGCCATCAATGAGGTGTTAGAAGCCATCGTTCGT TGGCTGGGCTATGCCAACTCAGCCCTGAACCCATCCTGTATGCTGCGCTGAACAGAGAC TTCCGCACCGGGTACCAACAGCTCTTCTGCTGCAGGCTGGCCAACCGCAACTCCCACAAA ACTTCTCTGAGGTCCAACGCCTCTCAGCTGTCCAGGACCCAAAGCCGAGAACCAGGCAA CAGGAAGAGAAAACCCCTGAAGCTCCAGGTGTGGAGTGGGACAGAAGTACGGCCCCCAG GGAGCCACAGACAGACCATGGCTTTGCCTTCCAGAATGCTGGTCTGTGGAAGTACCCAT TCATTTCATTGTTTCATTTCATTGCAAAACATTCATCCAATTCCCACCACATGC CAGGAATTATGA
Restriction Sites:	Please inquire
ACCN:	NM_001131055



[View online »](#)

<b>Insert Size:</b>	1300 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001131055.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001131055.1</a></u> , <u><a href="#">NP_001124527.1</a></u>
<b>RefSeq Size:</b>	2624 bp
<b>RefSeq ORF:</b>	1194 bp
<b>Locus ID:</b>	3274
<b>UniProt ID:</b>	<u><a href="#">P25021</a></u>
<b>Cytogenetics:</b>	5q35.2
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	<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. Histamine receptor H2 belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and stimulates gastric acid secretion. It also regulates gastrointestinal motility and intestinal secretion and is thought to be involved in regulating cell growth and differentiation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]</p> <p>Transcript Variant: This variant (1) consists of three exons and encodes the longer isoform (1).</p>