

Product datasheet for SC112901

HRH4 (NM_021624) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HRH4 (NM_021624) Human Untagged Clone
Tag:	Tag Free
Symbol:	HRH4
Synonyms:	AXOR35; BG26; GPCR105; GPRv53; H4; H4R; HH4R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112901 sequence for NM_021624 edited (data generated by NextGen Sequencing)

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ATGCCAGATACTAATAGCACAATCAATTTATCACTAAGCACTCGTGTACTTTAGCATT
TTTATGTCTTAGTAGCTTTTGCTATAATGCTAGGAAATGCTTTGGTCATTTAGCTTTT
GTGGTGGACAAAAACCTTAGACATCGAAGTAGTTATTTTTTTCTTAACCTGGCCATCTCT
GACTTCTTTGTGGGTGTGATCTCCATTCCTTTGTACATCCCTCACACGCTGTTCGAATGG
GATTTTGGAAAGGAAATCTGTGTATTTTGGCTCACTACTGACTATCTGTTATGTACAGCA
TCTGTATATAACATTGCCTCATCAGCTATGATCGATACCTGTCAGTCTCAAATGCTGTG
TCTTATAGAACTCAACATACTGGGGTCTTGAAGATTGTTACTCTGATGGTGGCCGTTTGG
GTGCTGGCCTTCTTAGTGAATGGGCAATGATTCTAGTTTCAGAGTCTTGAAGGATGAA
GGTAGTGAATGTGAACCTGGATTTTTTTTCGGAATGGTACATCCTTGCCATCACATCATT
TTGGAATTCGTGATCCCAGTCATCTTAGTCGCTTATTTCAACATGAATATTTATTGGAGC
CTGTGGAAGCGTGATCATCTCAGTAGGTGCCAAAGCCATCCTGGACTGACTGCTGTCTCT
TCCAACATCTGTGGACACTCATTAGAGGTAGACTATCTTCAAGGAGATCTTTTCTGCA
TCGACAGAAGTTCCTGCATCCTTTCATTAGAGAGACAGAGGAGAAAGAGTAGTCTCATG
TTTTCTCAAGAACCAAGATGAATAGCAATACAATTGCTTCCAAAATGGGTTCTTCTCC
CAATCAGATTCTGTAGCTCTTACCAAAGGGAACATGTTGAACTGCTTAGAGCCAGGAGA
TTAGCCAAGTCACTGGCCATTCTTCTAGGGTTTTTGTGTTTGTGGGCTCCATATTCT
CTGTTACAATTGTCCTTTTCAATTTTATTCCTCAGCAACAGTCTAAATCAGTTTGGTAT
AGAATTGCATTTTGGCTTCAGTGGTTCAATTCCTTTGTCAATCCTTTTGTATCCATTG
TGTCAACAAGCGCTTTCAAAGGCTTTCTTGAATAATTTTGTATAAAAAAGCAACCTCTA
CCATCACAAACACAGTCGGTCAGTATCTTCTTAA

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Clone variation with respect to NM_021624.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_021624 unedited</p> <pre> NGGGGCAAGTTCANAATTATGTATACGACTCACTATAGGCGGCCGCATCATTTGATGTGA TGCCAGATACTAATAGCACAAATCAATTTATCACTAAGCACTCGTGTTACTTTAGCATTTT TTATGTCCTTAGTAGCTTTTGTCTATAATGCTAGGAAATGCTTTGGTCATTTTAGCTTTTG TGGTGGACAAAAACCTTAGACATCGAAGTAGTTATTTTTTCTTAACTTGGCCATCTCTG ACTTCTTTGTGGGTGTGATCTCCATTCTTTGTACATCCCTCACACGCTGTTTGAATGGG ATTTTGGAAAGGAAATCTGTGTATTTTGGCTCACTACTGACTATCTGTTATGTACAGCAT CTGTATATAACATTGTCCTCATCAGCTATGATCGATACCTGTCAGTCTCAAATGCTGTGT CTTATAGAACTCAACATACTGGGGTCTTGAAGATTGTTACTCTGATGGTGGCCGTTTGGG TGCTGGCCTTCTTAGTGAATGGGCAATGATTCTAGTTTCAGAGTCTTGAAGGATGAAG GTAGTGAATGTGAACCTGGATTTTTTTCGGAATGGTACATCCTTGCCATCACATCATTCT TGGAAATTCGTGATCCCAGTCATCTTAGTCGTTATTTCAACATGAATATTTATTGGAGCC TGTGGAAGCGTGATCATCTCAGTAGGTGCCAAAGCCATCTGGACTGACTGCTGTCTCTT CCAACATCTGTGGACACTCATTAGAGGTAGACTATCTTCAAGGAGATCTCTTTCTGCAT CGACAGAAGTACCTGCATCTTTTATTTCAGAGAGACAGAGGAGAAAGAGTAGTCTCATGT TTTCTCAAGAACCAGNTGAATAGCAATACAATTGCTTCCAAA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_021624 unedited</p> <pre> NANGAGCCTGGGNGAGGGTACAGGGATGCCACCCGGGATCTGTTTCAGGAAACAGCTATG ACCGCGGCCGCAATCTAGAGTCGAGCAAGATAAAGGGCAGACCTGATTCATTTAGGTGAG ATTGAGACTAAAATTTACAGAGGTGAGAAAATTGTCTTTAAGAAGATACTGACCGACTGT GTTGTGATGGTAGAGTTGCTTTTTATACAAAATATTTTCAAGAAAGCCTTTTGAAGC GCTTGTGACACAATGGATACAAAAGAGGATTGACAAAGGAATTGAACCACTGAAGCCAAA ATGCAATTCTATACCAAATGATTTAGGACCTGTTGCTGAGGAATAAAATGAAAGGACAA TTGTGAACAGAGAATATGGAGCCAGCAAAACAGCAAAAACCCCTAAGAGAATGGCCAGTG ACTTGGCTAATCTCCTGGCTCTAAGCAGTTCAACATGTTCCCTTTGGTGAAGAGTACAG AATCTGATTGGGAGAAGGAACCCATTTTGGAAAGCAATTGTATTGCTATTCATCTTGGTTC TTGAGGAAAACATGAGACTACTCTTTCTCCTCTGTCTCTCTGAATGAAAGGATGCAGGAA CTTCTGTGATGCAGAAAGAGATCTCCTTGAAGATAGTCTACCTCTGAATGAGTGTCCAC AGATGTTGGAAGAGACAGCAGTCAGTCCAGGATGGCTNTGGCACCTACTGGAGATGATCA CGCTTNCACAGGCTCCAATAATATNCATGTTGAAATAAGCGACTAAGATGAACTGGGAT CACGAATTCAGNAATGATGTGATGGCANNAGGATGTACCATTNCCGAANAATNCAGGTCA CATTCACTACTTNCATNCTTNCAGATNTG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_021624
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).
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_021624.2 , NP_067637.2
RefSeq Size:	3689 bp
RefSeq ORF:	1173 bp
Locus ID:	59340
UniProt ID:	Q9H3N8
Cytogenetics:	18q11.2
Protein Families:	Druggable Genome, GPCR, 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 a family of histamine receptors, which are a subset of the G-protein coupled receptor superfamily. This gene encodes a histamine receptor that is predominantly expressed in haematopoietic cells. The protein is thought to play a role in inflammation and allergy responses. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>