

Product datasheet for RC227533

HRH4 (NM_001143828) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HRH4 (NM_001143828) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HRH4
Synonyms:	AXOR35; BG26; GPCR105; GPRv53; H4; H4R; HH4R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227533 representing NM_001143828 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAGATACTAATAGCACAATCAATTTACTAAGCACTCGTGTTACTTTAGCATTTCATGTCCT
TAGTAGCTTTTGCTATAATGCTAGGAAATGCTTTGGTCATTTAGCTTTTGTGGTGGACAAAACCTTAG
ACATCGAAGTAGTATTTTTCTTAACCTGGCCATCTCTGACTTCTTTGTGGTTTCAGAGTCTTGAAG
GATGAAGTAGTGAATGTGAACCTGGATTTTTTCGGAATGGTACATCCTTGCCATCACATCATTCTTG
AATTCGTGATCCCAGTCATCTTAGTCGCTTATTCAACATGAATATTTATTGGAGCCTGTGAAGCGTGA
TCATCTCAGTAGGTGCCAAGCCATCCTGGACTGACTGCTGTCTCTTCCAACATCTGTGGCACTCATT
AGAGGTAGACTATCTTCAAGGAGATCTTTCTGCATCGACAGAAGTTCCTGCATCCTTTTCATTCAGAGA
GACAGAGGAGAAAAGTAGTCTCATGTTTTCTCAAGAACCAAGATGAATAGCAATACAATTGCTTCCAA
AATGGGTTCCTTCTCCAATCAGATTCTGTAGCTTTCACCAAAGGGAACATGTTGAAGTCTTAGAGCC
AGGAGATTAGCCAAGTCACTGGCCATTCTTAGGGTTTTGCTGTTGCTGGGCTCCATATTCTGT
TCACAATTGTCCTTTCAATTTATTCCTCAGCAACAGGTCCTAAATCAGTTGGTATAGAATTGCATTTTG
GCTTCAGTGGTTCAATTCCTTTGTCAATCCTCTTTGTATCCATTGTGTCAACAAGCGCTTCAAAGGCT
TTCTTAAAAATATTTGTATAAAAAAGCAACCTCTACCATCACAACACAGTCGGTCAGTATCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC227533 representing NM_001143828
Red=Cloning site Green=Tags(s)

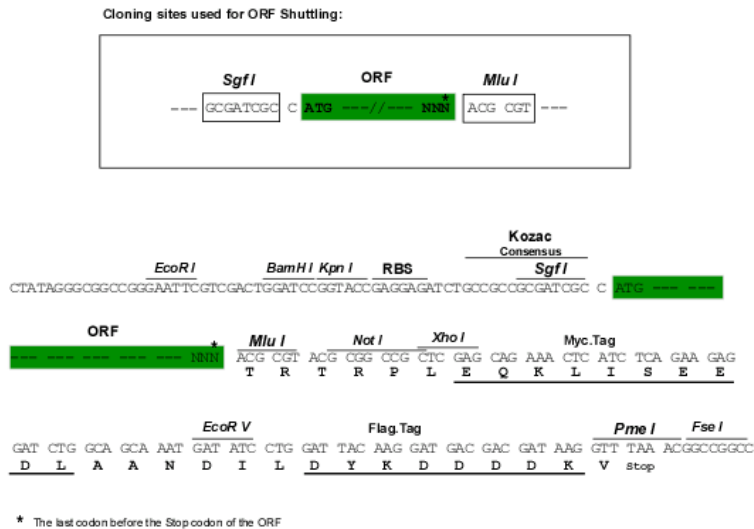
MPDTNSTINLSLSTRVTLAFFMSLVAFAIMLGNALVILAFVVDKNLRHRSSYFFLNLAISDFFVVSSESWK
 DEGSECEPGFFSEWYILAITSFLEFVIPVILVAYFNMNIYWSLWKRDL SRCQSHPLTAVSSNICGHSF
 RGRLSSRRSL SASTVPASFHSERQRRKSSLMFSSRTKMNSNTIASKMGSFSQSDSVALHQREHVELLRA
 RRLAKSLA ILLGVFAVCWAPYSLFTIVLSFYSSATGPKSVWYRIAFWLQWFNSFVNPLL YPLCHKRFQKA
 FLKIFCIKKQPLPSQHSRSVSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8050_g04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001143828

ORF Size: 906 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_001143828.2](#)

RefSeq ORF: 909 bp

Locus ID: 59340

UniProt ID: [Q9H3N8](#)

Cytogenetics: 18q11.2

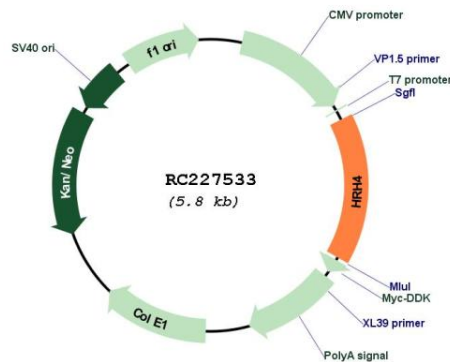
Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 34.3 kDa

Gene Summary: 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]

Product images:



Circular map for RC227533