

Product datasheet for SC325741

HRH4 (NM_001143828) Human Untagged Clone

Product data:

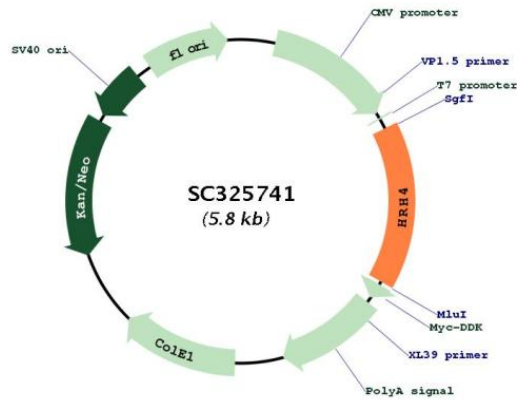
Product Type:	Expression Plasmids
Product Name:	HRH4 (NM_001143828) Human Untagged Clone
Tag:	Tag Free
Symbol:	HRH4
Synonyms:	AXOR35; BG26; GPCR105; GPRv53; H4; H4R; HH4R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325741 representing NM_001143828. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAGATACTAATAGCACAATCAATTTACTAAGCACTCGTGTACTTTAGCATTTTTATGTCC
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TCATTCAGAGGTAGACTATCTTCAAGGAGATCTTTTCTGCATCGACAGAAGTTCCTGCATCCTTTTCAT
TCAGAGAGACAGAGGAGAAAGAGTAGTCTCATGTTTTCTCAAGAACCAAGATGAATAGCAATACAATT
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TATTCTCTGTTTACAATTGTCCTTTTCAATTTATTCCTCAGCAACAGGTCCTAAATCAGTTTGGTATAGA
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TTTCAAAGGCTTTCTTGAATAATTTGTATAAAAAAGCAACCTCTACCATCACAAACAGTCGGTCA
GTATCTTCTTAA
ACGCGTACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001143828

Insert Size: 909 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001143828.1](#)

RefSeq Size: 3422 bp

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:	34.5 kDa
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 (2) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. This variant encodes isoform 2, also known as H4R(302), which is shorter than 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>