

Product datasheet for **RG228024**

HRH4 (NM_001160166) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HRH4 (NM_001160166) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HRH4
Synonyms: AXOR35; BG26; GPCR105; GPRv53; H4; H4R; HH4R
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228024 representing NM_001160166
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGATACTAATAGCACAATCAATTTACTACTAAGCACTCGTGTACTTTAGCATTTTTATGTCTT
TAGTAGCTTTTGCTATAATGCTAGGAAATGCTTTGGTCATTTAGCTTTTGTGGTGGACAAAACCTTAG
ACATCGAAGTAGTATTTTTTTCTAACTGGCCATCTCTGACTCTTTGTGGGTGTCTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228024 representing NM_001160166
Red=Cloning site Green=Tags(s)
MPDTNSTINLSLSTRVTLAFFMSLVAFAIMLGNALVILAFVVDKnlRHRSSYFFLNLAISDFVGVL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:


ACCN: NM_001160166

ORF Size: 201 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).

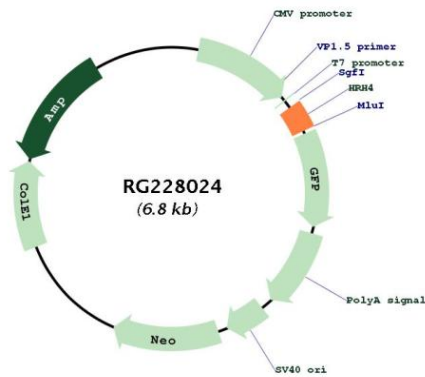
Reconstitution Method:

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_001160166.2](#)

RefSeq Size:	3522 bp
RefSeq ORF:	204 bp
Locus ID:	59340
UniProt ID:	Q9H3N8
Cytogenetics:	18q11.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
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 RG228024