

Product datasheet for **MG224223**

Hrh4 (NM_153087) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hrh4 (NM_153087) Mouse 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:	>MG224223 representing NM_153087 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGAGTCTAACAGTACTGGCATCTTGCCACCAGCTGCTCAGGTCCCCTTGGCATTTTAATGTCTT
CATTTGCCTTTGCTATAATGGTAGGCAATGCTGTGGTCATCTTAGCCTTTGTGGTGGACAGAAACCTTAG
ACATCGAAGTAATATTTTTTTCTAATTTGGCTATTTCTGACTTCCTCGTGGGTTTGATTCCATTCTCT
CTGTACATCCCTCACGTGTTGTTAACTGGAATTTTGAAGTGAATCTGCATGTTTTGGCTCATTACTG
ACTATCTTTTGTGCACCGCATCTGTCTACAATATTGCCTCATTAGCTACGATCGATACCCAGTCAGTTTC
AAATGCTGTGCTTATAGGGCTCAACACACTGGCATCATGAAGATTGTTGCTCAAATGGTGGCTGTTTGG
ATACTGGCTTTCTTGGTAAATGGCCGATGATTCTGGCTTCAGATTCTTGAAGAACAGCACGAACACAA
AGGACTGTGAGCCTGGCTTTGTTACAGAGTGGTACATCCTCACCATTACAATGCTCTTGGAAATTCCTGCT
TCCTGTCATCTCTGTGGCTTATTTCAATGTACAGATTTACTGGAGCCTGTGAAGCGTAGGGCTCTCAGT
AGGTGCCCTAGCCATGCTGGATTCTCCACTACCTTCCAGTGCCTCAGGACACTTACACAGAGCTGGGG
TGGCTTGCAAGACAAGTAATCCTGGATTGAAGGAATCAGCTGCATCTCGTCACTCAGAAAGTCCCTCGAAG
AAAGAGCAGCATCCTGGTGTCTTAAGGACTCACATGAACAGCAGTATCACTGCCTCAAAGTGGGTTCC
TTCTGGGATCGGAAAGTGCAGCGCTTCGCCAAGGGAGTACGAGAGCTTCTCAGAGGCGAAGCTAG
CCAGGTCAGTGGCATCCTTCTGAGCGCTTTTGCATTTGCTGGGCTCCATACTGTCTGTTCACAATTGT
CCTTTCAACTTACCCAGAACGGAACGCCCAAATCGGTGTGGTACAGCATTGCCTTCTGGCTGCAATGG
TTCAATTCGTTTGTAAATCCCTTTCTGTACCCTTTGTGTACAGGCGTTTCCAGAAGGCTTTCTGGAAGA
TACTTTGTGTGACAAAGCAACCAGCGCTGTACAGAACCAGTCAGTATCTTCT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224223 representing NM_153087
 Red=Cloning site Green=Tags(s)

MSESNSTGILPPAAQVPLAFLMSSFAFAIMVGNVAVVILAFVVDNRNLRHRSNYFFLNLAISDFLVGLISIP
 LYIPHLVFNWFGSGICMFWLITDYLLCTASVYNIIVLISYDRYQSVSNVSYRAQHTGIMKIVAQMVAW
 ILAFLVNGPMILASDSWKNSTNTKDCEPGFVTEWYILITMLLEFLLPVISVAYFNVQIYWLSLWKRRLS
 RCP SHAGFSTTSSASGHLHRAGVACRTSNPGLKESAASRHSESPRRKSSILVSLRTHMNSSITAFKVG
 S FWRSESAALRQREYAELLRGRKLARSLAILLSAFAICWAPYCLFTIVLSTYPRTERPKSVWYSIAFWLQW
 FNSFVNPFLYPLCHRRFQKAFWKILCVTKQPALSQNQSVSS

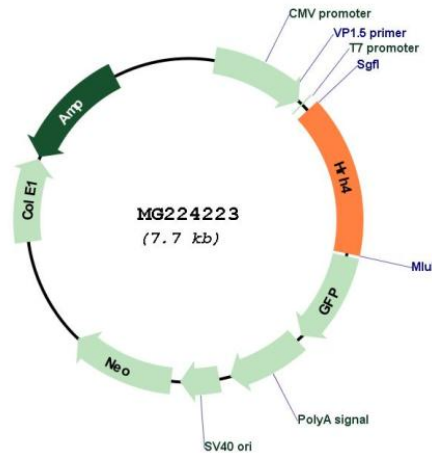
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_153087

ORF Size:	1173 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<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_153087.2 , NP_694727.1
RefSeq Size:	1537 bp
RefSeq ORF:	1176 bp
Locus ID:	225192
UniProt ID:	Q91ZY2
Cytogenetics:	18 A1
Gene Summary:	The H4 subclass of histamine receptors could mediate the histamine signals in peripheral tissues. Displays a significant level of constitutive activity (spontaneous activity in the absence of agonist) (By similarity).[UniProtKB/Swiss-Prot Function]