

Product datasheet for **RG204708**

Histatin 1 (HTN1) (NM_002159) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: TurboGFP

Symbol: Histatin 1

Synonyms: HIS1

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204708 representing NM_002159
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGTTTTTTGTCTTTGCTTTAGTCTTGGCTCTCATGATTCCATGATTAGCGCTGATTCACATGAAA
AGAGACATCATGGGTATAGAAGAAAATTCATGAAAAGCATCATTCACATCGAGAATTTCCATTTTATGG
GGACTATGGATCAAATTATCTATATGACAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204708 representing NM_002159
Red=Cloning site Green=Tags(s)

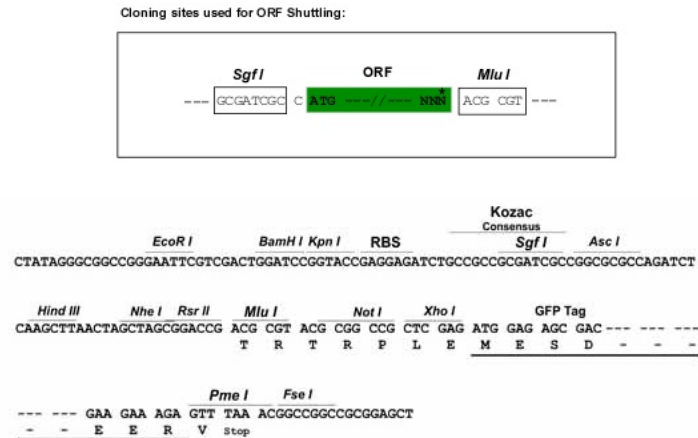
MKFFVFALVLALMISMISADSHEKRHHGYRRKFHEKHSHREFPFYGDYGSNYLYDN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_002159

ORF Size: 171 bp

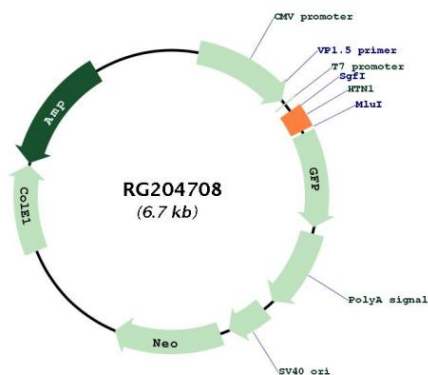
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_002159.4</u>
RefSeq Size:	566 bp
RefSeq ORF:	174 bp
Locus ID:	3346
UniProt ID:	<u>P15515</u>
Cytogenetics:	4q13.3
Gene Summary:	This gene encodes a member of the histatin family of small, histidine-rich, cationic proteins. They function as antimicrobial peptides and are important components of the innate immune system. Histatins are found in saliva and exhibit antibacterial, antifungal activities and function in wound healing. [provided by RefSeq, Aug 2014]

Product images:



Circular map for RG204708