

Product datasheet for **MG214622**

Htra4 (NM_001081187) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htra4 (NM_001081187) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Htra4
Synonyms:	B430206E18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG214622 representing NM_001081187
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTTCCAGCGGTTGTGGGCTGTGCGAACACAGTTTCTCCTGCTGTGGTTGCTGCTACCAGCCGTGC
 CTGTTCCGTGGGCCGAGGCCAGGAGTCCAGAGTCTCGCTGCCCTGTCCCGATGCCTGCGATCCCACGCG
 CTGCCCGACTCTGCCTACCTGCTCGGCCGGCTTGGCGCCGGTTCCCGATCGCTGCGGCTGCTGCCGAGTG
 TGCGCCGCGGCCGAGGGCCAGGAGTGTGGCGGGCGCGGGGCCGGCCGTGCGCCCCAAGGCTGCGCTGCG
 GCGCCCCGTTCTCCGGGATCCCTCGGGGGCGCGTGGCTGGGCACCTGCGGCTGCGCGGAGGGTGTGA
 GGATGCGGTAGTGTGCGGCAGCGATGGGCGCACCTACCCAGCCTATGTGCGCTCCGCAAGGAGAACCGA
 GCCGCTCGCCAGCGGGCGCGCTCCCGGCTGTGCCAGTGCAGAAGGGTGCCTGCGAGGAAGCAGGGACCA
 CAAGAGCAGGGCGGCTCCGGAGAAAGTACAACCTCATCGCCGAGTGGTGGAGAAGGTGGCGCCGTCTGT
 GGTCCACTTGCAGCTGTTCCGCAGATCACCTCTACCAACCAGGAAATCCCTTCTCCAGCGGCTCTGGG
 TTCATAGTGTCTGAGGATGGGCTCATTGTACCAATGCCACGTCTCACCAACCAGCAGAAGATCCAGG
 TAGAGCTCCAGAGCGGGGCCGGTATGAAGCCACCGTCAAAGACATCGACCATAAACTGGACCTTGCACT
 GATTAAGATCGAGCCAGATACTGAGCTTCCAGTACTGCTGCTGGGCCGATCCTCTGACCTCCGGGCTGGA
 GAGTTTGTGGTAGCTTTGGGCAGCCATTTTCTCTGCAGAACACCGTGACTGCAGGGATTGTGAGCACCA
 CACAGAGAGGGCGGAGAGAGCTGGGACTGAAGAATTGAGACATAGACTATATCCAGACGGATGCCATCAT
 TAACCATGGAAATTTGGGGTCCGCTGGTGAACCTGGATGGCGACGTGATTGGTATAAACACTCTGAAG
 GTGACTGCAGGGATCTCTTTTGCAGTCCCTCTGATCGGATCAGACAGTTCCTGGAAGACTATCATGAGC
 GCCAGTTGAAAGCAAGGCCCTTTGCAGAAGAAATACCTGGGTCTTGAATGCTGCCTCACTCTGAA
 CCTCCTTCAGGAAATGAAGAGGCAAGATCCAGAGTTCCTGATGTGAGTTCTGGAGTTTTTGTATATGAA
 GTGATTACAGGATCGGCTGCTGCAAGCTCGGGTTGAGAGACCATGATGTAATTGTCAGCATAAACGGGC
 AACCTGTCACCACCACAACCTGATGTCATTGAAGCTGTTAAGGACAATGACTTTCTCTCCATCATTGTGCT
 TCGAGGAAGTCAAACCTTGTCTGACAGTCACACCTGAAATAATCAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG214622 representing NM_001081187
 Red=Cloning site Green=Tags(s)

MSFQRLWAVRTQFLLLWLLLPAVPVPWAEARRSRVSLPCPDACDPTRCPTLPTCSAGLAPVPDRCGCCRV
 CAAAEGQECCGARGRPCAPRLRCGAPFSRDPSSGAWLGTGCAEGAEDAVVCGSDGRTYPSLCALRKENR
 AARQRGALPAVPVQKGACEEAGTTRAGRLRRKYNFIAAVVEKVAPSVVHLQLFRRSPLTNQEIPSSSGSG
 FIVSEGLIVTNAHVL TNQKIQVELQSGARYEATVKDIDHKLDLALIKIEPDEL PVLLLGRSSDLRAG
 EFVVALGSPFSLQNTVTAGIVSTTQRGGRELGLKNSDIDYIQTDAIINHNSGGPLVNL DGDVIGINTLK
 VTAGISFAIPSDRIRQFLEDYHERQLK GKAPLQKYLGLRMLPLTLNLLQEMKRQDPEFPDVSSGVFVYE
 VIQGSAAASSGLRDHDI VISINGQPVTTTTD VIEAVKDNDFLSIIVLRGSQTLFLTVTPEIIN

TRTRPLE – GFP Tag – V

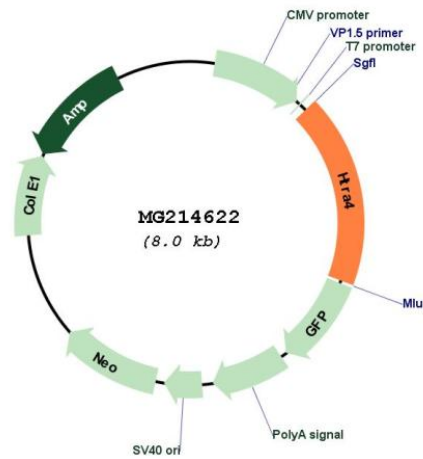
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001081187

ORF Size: 1449 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_001081187.3](#), [NP_001074656.1](#)

RefSeq Size: 2181 bp

RefSeq ORF: 1452 bp

Locus ID: 330723

UniProt ID: [A2RT60](#)

Cytogenetics: 8 A2

Gene Summary: Serine protease.[UniProtKB/Swiss-Prot Function]