

Product datasheet for **RR213582**

Htra4 (NM_001107321) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Htra4 (NM_001107321) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Htra4 |
| Synonyms: | RGD1306242 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR213582 representing NM_001107321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAAGGAGCAAGATGAGCTCCAGCGTTGTGGGCTGTGCGAGCACAGTTTCTCTTGCTGTGGCTGC
 TGCTCTGGGCCGCGCCTGTTCCGTGGGCTGAGGCCAGGAGTCTAGAGTCTCCTTGCCCTGCCCGGACGC
 CTGCGATCCCACGCGCTGCCCGCTCTGCCTAGCTGCTCGGCCGCTCGGCGCTAGTGCCAGATCGCTGC
 GGCTGCTGCCAAGTGTGCGCCGCGGTGAGGGCCAGGAGTGTGGCGGGCGCGGGGCCGCGCTGCGTCC
 CGGGGCTGCGCTGCGGCGCCCGTTCTCCGGGAGCCCTCAGGGCGCGCTGGCTGGCACCTGCGGTTG
 CGCGGAGGTGACAGGGCGCGGCGGTGTGCGGCAGCAGCGGCGCACTTACCCAGCCTGTGCGCGCTC
 CGCAAGGAGAACCAGCGGCTCGCCAGCGGGTGCCTCCGGCTGTGCCAGTGCAGAAAGTGCCTGCC
 GCGACTCAGGGACCACAAGAGCAGGGCGGCTCCGGACAAAGTACAACCTCATCGTGCCGTGGTGGAGAA
 GGTGGCACCGTCTGTGGTTCACCTGACAGTGTTCGCGAGTACCTCTCACCAACCAGGAAATCCCTTCA
 TCAGCGGTTCCGGGTTCAAGTGTCTGAGGATGGCCTCATTGTACCAATGCCCATGTCCTCACCAACC
 AGCAGAAGATCCAGGTAGAGCTCCAGAACGGGCTCAGTATGAAGCCACTGTCAAAGACATCGACCAATA
 ACTGGACCTTGCACTGATTAAGATCGAGCCAGATACTGACCTTCCAGTACTGTTGCTGGGAAGATCCTCT
 GACCTCCGGGCCGAGAGTTTGTGGTGGCTTTGGGTAGCCATTTTCCCTGCAGAACACTGTGACTGCCG
 GGATTGTGACACCACACAGAGAGGCGGCAAAGAGTTGGGACTGAAGGACTCAGACATAGACTATATCCA
 GACGGACGCCATCATTAAACCACGAAATCTGGGGTCCACTGGTGAACCTGGATGGCGATGTGATCGGT
 ATAACACCCTGAAGTGACCGCAGGATCTCTTTTGAATCCCTCAGATAGGATCAGACAGTTCTGG
 CAGACTATCATGAGCGCCAGTTGAAAGGAAAGGCTCCCTTGCAGAAGAAATACCTGGTCTTAGAATGTT
 GCCCTCACTCTGAACCTCCTTCAGGAAATGAAGAGGCAAGATCCCGATTCCCTGATGTGAGCTTGG
 GTTTTTGTATATGAAGTATTCAAGGATCGGCCCTGCAAGCTCGGGTTGAGAGACCATGATGTAATTG
 TCAGCATAAACGGGCAGCCTGTACGACCACAACCGATGTATTGAAGCTGTTAAGGACAATGCCTTTCT
 CTCATCATTGTTCTTCGAGGAAGCCAAACCTGTTTCTGACAGTCACACCTGAAATAATCAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213582 representing NM_001107321
 Red=Cloning site Green=Tags(s)

MSRSKMSSQRLWAVRAQFLLLWLLLWAAPVPWAEARRSRVSLPCPDACDPTRCPPLPSCSAGSALVPDRC
 GCCQVCAAVEGQECGGARGRPCVPGLRCGAPFSREPSGRAWLGTGCAEGAEGAAVCGSDGRTYPSLICAL
 RKENRAARQRGALPAVPVQKGACGDSGTTTRAGRLRTKYNFIAAVVEKVAPSVVHLQLFRRSPLTNQEIPS
 SSGSGFIVSEDGLIVTNAHVLTNQKIQVELQNGAQYEATVKDIDHKLDLALIKIEPDTDLPVLLLGRSS
 DLRAGEFVVALGSPFSLQNTVTAGIVSTTQRGGKELGLKDSIDYIQTDAIINHGNSSGGLVNLGDVIG
 INTLKVTAGISFAIPSDRIRQFLADYHERQLK GKAPLQKKYLGLRMLPLTLNLLQEMKRQDPDFDVSSG
 VFVYVEVIQGSAAASSGLRDHDVIVSINGQPVTTTTVDVIEAVKDNAFLSIIVLRGSQTLFLTVTPEIIN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001107321

ORF Size: 1464 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_001107321.1](#), [NP_001100791.1](#)

RefSeq Size: 2256 bp

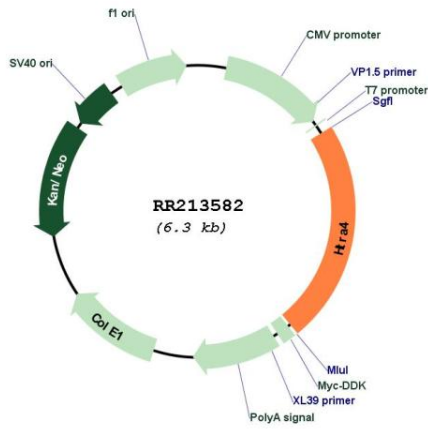
RefSeq ORF: 1467 bp

Locus ID: 306564

UniProt ID: [D3ZKF5](#)

Cytogenetics: 16q12.4
 MW: 52.2 kDa
 Gene Summary: Serine protease.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR213582