

Product datasheet for **RR208298**

Htra1 (NM_031721) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htra1 (NM_031721) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Htra1
Synonyms:	Prss11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR208298 representing NM_031721
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCA GTTCTGCGTACCGCGCTCCTGTCTTTGCTACTGCTGCTGCTGGCGGCTCCCTCTTTGGCGTTGC
 CGTCGGGATCAGCCGCTCGGCCCGCTGCCACTGTCTGTCCGAGCACTGCGATCCTACCCGCTGCGC
 CCCGCCACCCACGGACTGCGAGGGTGGCCGCGTCCGCGACGCGTGC GGCTGCTGCGAGGTGTGCGGCGCG
 CTCGAGGGTGCAGTGTGCGGCCTGCAGGAGGGTCCCTGCGGCGAGGGGCTGCAATGCGTAGTGCCCTTCG
 GGGTGCCGGCCTCCGCCACAGTACGACGGCGCGCACAGGCCGGTCTGTGCGTGTGTGCCAGCAGCGAGCC
 GGTGTGCGGCAGCGACGCCAAGACGTACACCACTGTGCCAGCTGCGCGCCGCCAGCCCGCTTCCGAG
 AAGCTTCGCCAGCCTCCGGTCATCGTCTGCAGCGCGGCGCTGCGGCCAAGGGCAGGAAGATCCCAACA
 GTTTGCGTCATAAGTACAACCTTATCGCTGATGTGGTGGAGAAGATCGCCCTGTGTGGTTCACATTGA
 ACTTTATCGCAAGCTTCTTTCTCGAAGAGGGAGGTGCCAGTGGCGAGTGGGTCAAGATTATTGTGTCG
 GAGGATGGACTGATTGTGACAAATGCTCACGTGGTGACCAACAAAAACCGGGTCAAGGTTGAGCTGAAGA
 ATGGAGCGACTTATGAAGCCAAAATCAAGGATGTGGATGAAAAGGCCGACATTGCGCTTATCAAGATTGA
 CCACCAGGGTAAGCTGCCAGTCTGCTGCTTGGCCGCTCCTCCGAGCTGCGGCCAGGAGAATTTGTGGTT
 GCCATCGGAAGCCCTTCTCTTCAAACACGGTCACTGGGATCGTCAGCACCCACCCAGCGAGGGCG
 GCAAAGAACTGGGGCTCCGGAATCCGATATGGACTACATTGAGACAGACGCCATCATCAATTATGGAAA
 CTCCGGAGGCCGTTAGTAACTGGATGGCGAGGTGATTGGGATTAACACCTGAAGGTGACGGCGGGC
 ATCTCCTTCGCAATCCATCCGATAAGATAAAAAAGTTCTTGACAGAGTCCCATGATCGACAGGCCAAAG
 GAAAAACTGTACCAAGAAGAAGTATATTGGGATACGAATGATGTCGTTACATCTAGCAAAGCCAAAGA
 ACTGAAGGATCGTCACCGAGACTTCCCGGATGTAATCTCCGAGCATATATCATTGAAGTCATCCCCGAC
 ACCCCCGAGAAGCTGGAGGGCTCAAGGAAAATGACGTCATCATCAGCATCAATGGACAGTCTGTGGTCA
 CTGCCAATGATGTCAGTGTGTCATCAAAAAGGAGAACCCTGAACATGGTTGTCCGAGAGGGAAATGA
 AGACATTGTGATTACGGTGGTTCCTGAAGAAATTGATCCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208298 representing NM_031721
 Red=Cloning site Green=Tags(s)

MQFLRTALLSLLLLLLAAPSLALPSGISRSAPAATVCPHECDPTRCAPPPTDCEGGRVRDAGCCEVCGA
 LEGAVCGLQEGPCGEGQLQCVVFPVGPASATVRRRAQAGLCVCASSEPVCGSDAKTYTNLCQLRAASRRSE
 KLRQPPVIVLQRGACGQEQEDPNLSLRHKYNFIAADVVEKIAPAVVHIELYRKLPSKREVPVAVSGSGFIVS
 EDGLIVTNAHVVTNKNRVKVELKNGATYEAKIKDVDEKADIALIKIDHQKLPVLLLGRSSELRPGEFVV
 AIGSPFSLQNTVTTGIVSTTQRGGKELGLRNSDMDYIQTDAIINYGNSGGPLVNL DGEVIGINTLKV TAG
 ISFAIPSDKIKKFLTESHDRQAKGKTVTKKYGIRMMSLTSSKAKELKDRHRDFPDVISGAYIIIEVIPD
 TP AEAGGLKENDVIISINGQSVVTANDVSDVIKKENTLNMVVRGNGEDIVITVVPPEIDP

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_031721

ORF Size: 1440 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_031721.1](#), [NP_113909.1](#)

RefSeq Size: 2012 bp

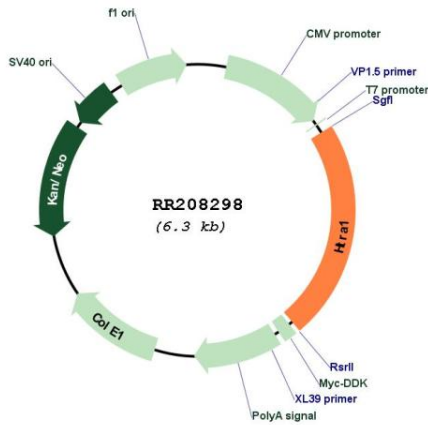
RefSeq ORF: 1443 bp

Locus ID: 65164

UniProt ID: [Q9QZK5](#)

Cytogenetics: 1q41
 MW: 51.3 kDa
 Gene Summary: mouse homolog is a serine protease; acts as a inhibitor of Tgf-beta family members [RGD, Feb 2006]

Product images:



Circular map for RR208298