

Product datasheet for **RN216716**

Htra3 (NM_001271027) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htra3 (NM_001271027) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Htra3
Synonyms:	RGD1308120
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216716 representing NM_001271027
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGCGCGCCCTACTCCCTGCCAGCTGGCCACGCTGGCCACGCTAGCTGTGTGGTCTCTGGCCC
 GGGAGCCCCGGCGGCCTTGTCTGCGCGCTGCGACGTGTGCGCGTGTCCGAGCCCTCGCTGCCCTGG
 GGGCTATGTGCCAGACCTCTGCAACTGCTGCTTGGTGTGCGCCGCCAGCGAGGGTGAAGCCCTGCGGCCG
 CCCCTGGACTCGCCATGCGGGGACAGTCTGGAGTGCCTACGCGCGTGTGCCGCTGCCGTTGGACCCACA
 CGGTGTGTGGCACAGACGGGCACACATATGCCGACGTGTGCGCGTGCAGGCCGCCAGCCGTCGTGCGTT
 GCAGATCTCCGGGACTCCAGTGCGCCAGCTGCAGAAGGGTGCCTGCCCTCTGGTCTCCATCAGCTGACC
 AGTCCGCGGTACAAGTTCACCTTCATCGCCGATGTGGTGGAGAAGATCGCGCCAGCCGTTGCCATATAG
 AGCTCTTTCTGAGGCACCCTCTGTTGGCCGAAATGTGCCACTGTCCAGTGGCTCGGGCTTCATCATGTC
 AGAAGCCGGCTTGATCGTCACCAACGCCACGTGGTCTCCAGCTCCAACACCGCCTCAGGTCCGCGAGCAG
 CTGAAGGTGCAACTGCAGAATGGGGATGCTTATGAGGCCACCATCCAGGACATCGACAAGAAGTCAGACA
 TCGCCACCATCTTAATCCACCCCAAAAAAGCTCCCCGTGTTACTGCTGGGTCACTCGGCAGACCTGCG
 GCCTGGCGAGTTTGTGGTGGCCATCGGCAGTCCCTTTGCCCTGCAAAACACCGTGACAACGGGCATCGTC
 AGCACTGCCAGCGGGATGGCAAAGAGCTGGGCCTCCGGGATTCGGACATGGACTATATCCAGACAGACG
 CCATCATCAATTATGGGAACTCAGGAGGCCCTGGTGAACCTGGATGGTGAAGTTCATCGGCATCAACAC
 GCTCAAGTGGCGGCTGGTATCTCTTTGCCATCCCCTCGGATCGCATCACGCGCTTCTCTCTGAGTTC
 CAAGACAAGCATGTGAAAGACTGGAAGAAGCGCTTCATTGGCATCCGGATGCGGACCATCACGCCAAGTT
 TGGTGGAGGAAGTGAAGACTGCCAACCAGATTTCCAGCAGTGAGCAGTGGAAATATATGTTCAAGAGGT
 CGTCCCAACTCACCTTCTCAGAGAGGAGGCATCCAAGATGGCGACATCATAGTCAAAGTCAATGGACGT
 CCCCTGGTAGATTCCAGTGCAGGAGCGGCTCCTGAATGAGTCTCACTCCTGCTGGAGGTGCGGC
 GGGGAATGATGACTGCTCTTCAGCATCATGCCGAGGTGGTATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001271027
- Insert Size:** 1380 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001271027.1](#), [NP_001257956.1](#)

RefSeq Size: 2440 bp

RefSeq ORF: 1380 bp

Locus ID: 360959

UniProt ID: [D3ZA76](#)

Cytogenetics: 14q21

Gene Summary: Serine protease that cleaves beta-casein/CSN2 as well as several extracellular matrix (ECM) proteoglycans such as decorin/DCN, biglycan/BGN and fibronectin/FN1. Inhibits signaling mediated by TGF-beta family proteins possibly indirectly by degradation of these ECM proteoglycans (By similarity). May act as a tumor suppressor. Negatively regulates, in vitro, trophoblast invasion during placental development and may be involved in the development of the placenta in vivo. May also have a role in ovarian development, granulosa cell differentiation and luteinization (By similarity).[UniProtKB/Swiss-Prot Function]