

## Product datasheet for **MC216175**

### Htra3 (NM\_030127) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Htra3 (NM_030127) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Htra3
Synonyms:	2210021K23Rik; 9530081K03Rik; Prsp; Tasp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216175 representing NM\_030127  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACGGCGCGCGCTGCTCCCGCCACGCTGGCCATTCTGGCCACGCTGGCTGTGTTGGCTCTGGCCC  
 GGGAGCCCCAGCGGCTCCGTGTCTGCGCGCTGCGACGTGTCGCGCTGTCCGAGCCCTCGCTGCCCTGG  
 GGGCTATGTGCCTGACCTCTGCAACTGCTGCCTGGTGTGCGCTGCCAGCGAGGGCGAGCCCTGCGGCCGC  
 CCCCTGGACTCTCCGTGCGGGGACAGTCTGGAGTGCCTGCGCGCGTGTGCCGCTGCCGTTGGACCCACA  
 CTGTGTGTGGCACAGACGGGCATACTTATGCCGACGTGTGCGCGCTGCAGGCCGCCAGCCGTCGTGCGTT  
 GCAGGTCTCCGGGACTCCAGTGCGCCAGCTGCAGAAGGGTGCCTGTCCCTCTGGTCTCCACCAGCTGACC  
 AGTCCGCGGTACAAGTCAACTTCATCGCCGATGGTGGAGAAGATTGCGCCAGCTGTGGTCCACATAG  
 AGCTCTTTCTGAGACACCCCTGTTGGCCGAATGTGCCGCTGCCAGTGGCTCGGGCTTCATCATGTC  
 AGAAGCCGGTTTGATCGTCACCAACGCCACGTGGTCTCCAGCTCCAGCACTGCCTCCGGCCGGCAGCAG  
 CTGAAGGTGCAGCTGCAGAATGGGGATGCCTATGAGGCCACCATCCAGGACATCGACAAGAAGTCGGACA  
 TTGCCACGATTGTAATCCACCCCAAGAAAAAGCTCCCTGTGTTGCTGCTGGGTCACTCAGCAGACCTGCG  
 GCCTGGCGAGTTCGTGGTGGCCATCGGCAGCCCTTTGCCCTGCAGAACACCGTGACAACGGGCATTGTC  
 AGCACTGCCAGCGGGATGGCAAGGAGCTGGGTCTCCGGGACTCAGACATGGACTATATCCAGACCGATG  
 CCATCATCAATTACGGGAACTCAGGAGGACCCCTGGTGAACCTGGATGGCGAGGTTCATCGGCATCAACAC  
 GCTCAAGTTCAGCTGGCATCTCCTTTGCCATCCCCTCAGATCGCATCACACGTTCTCTCTGAGTTC  
 CAAAACAAGCATGTGAAAGACTGGAAGAAGCGCTTCATTGGCATCCGGATGCGGACCATCAGCCAAGTT  
 TGGTGGAGGAAGTGAAGGCCCGCAACCCAGACTTCCAGCGGTCAGCAGTGAATATATGTTCAAGAGGT  
 GGTTCCCAATTCACCTTCTCAGAGAGGAGCATCCAAGATGGCGACATCATCGTCAAAGTCAATGGCCGC  
 CCCCTGGCGGATTCCAGCGAGCTGCAGGAGGAGTCTGAACGAGTCTTCACTCCTGCTGGAGGTGCGGC  
 GAGGCAATGATGATCTCCTCTTCCAGCATCATCCCTGAGGTGGTCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_030127
- 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).
- 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\\_030127.3](#), [NP\\_084403.2](#)

RefSeq Size: 2754 bp

RefSeq ORF: 1380 bp

Locus ID: 78558

UniProt ID: [Q9D236](#)

Cytogenetics: 5 B3

**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 (PubMed:15206957). 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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).