

Product datasheet for **MC211891**

Htra3 (NM_001042615) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Htra3 (NM_001042615) 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
Fully Sequenced ORF: >MC211891 representing NM_001042615
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGGCGCGCGCTGCTCCCCGCCACGCTGGCCATTCTGGCCACGCTGGCTGTGTTGGCTCTGGCCC
GGGAGCCCCAGCGGCTCCGTGTCTGCGCGCTGCGACGTGTGCGCTGTCCGAGCCCTCGTGCCTGG
GGCTATGTGCCTGACCTCTGCAACTGCTGCCTGGTGTGCGCTGCCAGCGAGGGCGAGCCCTGCGGCCG
CCCTGGACTCTCCGTGCGGGGACAGTCTGGAGTGCCTGCGCGGGGTGTGCCGCTGCCGTTGGACCCACA
CTGTGTGTGGCACAGACGGGCATACTTATGCCGACGTGTGCGCGCTGCAGGCCGCCAGCCGTCGTGCGTT
GCAGGTCTCCGGGACTCCAGTGCGCCAGCTGCAGAAGGGTGCCTGTCCCTCTGGTCTCCACCAGCTGACC
AGTCCGCGGTACAAGTTCAACTTCATCGCCGATGTGGTGGAGAAGATTGCGCCAGCTGTGGTCCACATAG
AGCTCTTCTGAGACACCCCTGTTTGGCCGGAATGTGCCGCTGTCCAGTGGCTCGGGCTTCATCATGTC
AGAAGCCGGTTTGATCGTCACCAACGCCACGTGGTCTCCAGTCCAGCACTGCCTCCGGCCGGCAGCAG
CTGAAGTGCAGCTGCAGAATGGGGATGCCTATGAGGCCACCATCCAGGACATCGACAAGAAGTCGGACA
TTGCCACGATTGTAATCCACCCCAAGAAAAGCTCCCTGTGTTGCTGCTGGTCACTCAGCAGACCTGCG
GCCTGGCGAGTTGTTGGTGGCCATCGGCAGCCCTTTGCCCTGCAGAACACCGTGAACACGGGCGATTGTC
AGCACTGCCAGCGGGATGGCAAGGAGCTGGTCTCCGGGACTCAGACATGGACTATATCCAGACCGATG
CCATCATCAATTACGGGAACTCAGGAGGACCCCTGGTGAACCTGGATGGCGAGGTCATCGGCATCAACAC
GCTCAAGTTGACAGTGGCATCTCCTTTGCCATCCCTCAGATCGCATCACACGTTCTCTGAGTTC
CAAACAAGCATGTGAAAGCCCTCTCACCAGCACTGCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001042615



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Insert Size:	1092 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:	<ol style="list-style-type: none">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:	<u>NM_001042615.2</u> , <u>NP_001036080.1</u>
RefSeq Size:	2209 bp
RefSeq ORF:	1092 bp
Locus ID:	78558
UniProt ID:	<u>Q9D236</u>
Cytogenetics:	5 B3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform b which is shorter and has a distinct C-terminus, compared to isoform a.</p>