

Product datasheet for **MR226669**

Htra3 (NM_030127) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htra3 (NM_030127) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR226669 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGCGCGCGCTGCTCCCGCCAGCTGGCCATTCTGGCCAGCTGGCTGTGTTGGCTCTGGCCC
 GGGAGCCCCAGCGGCTCCGTGTCTGCGCGCTGCGACGTGTGCGCGTGTCCGAGCCCTCGCTGCCCTGG
 GGGCTATGTGCCTGACCTCTGCAACTGCTGCCTGGTGTGCGCTGCCAGCGAGGGCGAGCCCTGCGGCCG
 CCCCTGGACTCTCCGTGCGGGGACAGTCTGGAGTGCCTGCGCGCGTGTGCCGCTGCCGTTGGACCCACA
 CTGTGTGTGGCACAGACGGGCATACTTATGCCGACGTGTGCGCGCTGCAGGCCGCCAGCCGTCGTGCGTT
 GCAGGTCTCCGGGACTCCAGTGCGCCAGCTGCAGAAGGGTGCCTGTCCCTCTGGTCTCCACCAGCTGACC
 AGTCCGCGGTACAAGTTCAACTTCATCGCCGATGTGGTGGAGAAGATTGCGCCAGCTGTGGTCCACATAG
 AGCTCTTTCTGAGACACCCCTGTTTGGCCGGAATGTGCCGCTGTCCAGTGGCTCGGGCTTCATCATGTC
 AGAAGCCGGTTTGATCGTCACCAACGCCACGTGGTCTCCAGCTCCAGCACTGCCTCCGGCCGGCAGCAG
 CTGAAGGTGCAGCTGCAGAATGGGGATGCCTATGAGGCCACCATCCAGGACATCGACAAGAAGTCGGACA
 TTGCCACGATTGTAATCCACCCCAAGAAAAAGTCCCTGTGTTGCTGCTGGGTCACTCAGCAGACCTGCG
 GCCTGGCGAGTTCGTGGTGGCCATCGGCAGCCCTTTGCCCTGCAGAACCCTGACAACGGGCATTGTC
 AGCACTGCCAGCGGGATGGCAAGGAGCTGGGTCTCCGGGACTCAGACATGGACTATATCCAGACCGATG
 CCATCATCAATTACGGGAACTCAGGAGGACCCCTGGTGAACCTGGATGGCGAGGTTCATCGGCATCAACAC
 GCTCAAGTTCAGCTGGCATCTCCTTTGCCATCCCTCAGATCGCATCACACGTTCTCTCTGAGTTC
 CAAAACAAGCATGTGAAAGACTGGAAGAAGCGCTTCATTGGCATCCGGATGCGGACCATCACGCCAAGTT
 TGGTGGAGGAAGTGAAGGCCGCCAACCCAGACTTCCAGCGGTGAGCAGTGGAAATATATGTTCAAGAGGT
 GGTCCCAATTACCTTCTCAGAGAGGAGGCATCCAAGATGGCGACATCATCGTCAAAGTCAATGGCCGC
 CCCCTGCGGATTCCAGCGAGCTGCAGGAGGAGTCTGAACGAGTCTTCACTCCTGCTGGAGGTGCGGC
 GAGGCAATGATGATCTCCTCTTCCAGCATCATCCCTGAGGTGGTCAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226669 protein sequence
 Red=Cloning site Green=Tags(s)

MQARALLPATLAILATLAVLALAREPPAAPCPARCDVSRCPSPRCPPGGYVPDLNCCLVCAASEGEPGCR
 PLDSPCGDSLECVRGVRCRWRHTVCGTDGHTYADVICALQAASRRALQVSGTPVRQLQKACPSGLHQLT
 SPRYKFNFIADVVEKIAPAVVHIELFLRHPLFGRNVPLSSGSFIMSEAGLIVTNAHVSSSTASGRQQ
 LKVQLQNGDAYEATIQDIDKSDIATIVIHPKKLPVLLLGHSAADLRPGEFVVAIGSPFALQNTVTTGIV
 STAQRDGKELGLRSDMDYIQTDAIINYNSGGPLVNLDEVIGINTLKVAAGISFAIPSDRITRFLSEF
 QNKHVQDWKKRFIGIRMTITPSLVEELKAANPDFPAVSSGIYVQEVVNPSPSQRGGIQDGDIIIVKNR
 PLADSSSELQEAVLNESSLLLLEVRRGNDLLFSIIEPEVVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

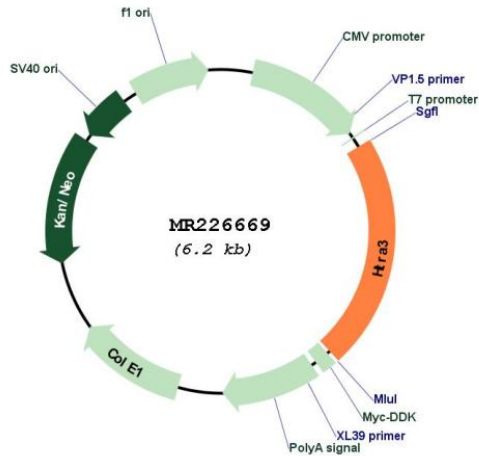
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_030127

ORF Size:

1377 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:	<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:	NM_030127.3 , NP_084403.2
RefSeq Size:	2754 bp
RefSeq ORF:	1380 bp
Locus ID:	78558
UniProt ID:	Q9D236
Cytogenetics:	5 B3
MW:	49.1 kDa
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]