

## Product datasheet for **SC335587**

### HTRA3 (NM\_001297559) Human Untagged Clone

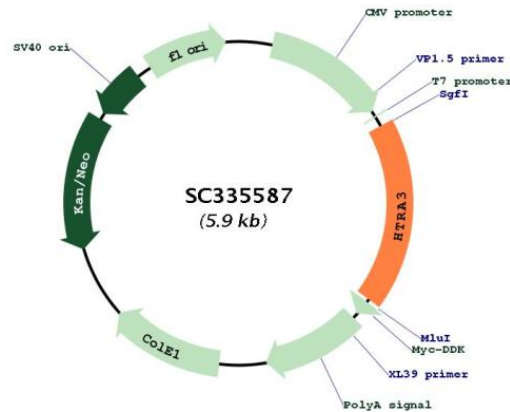
#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HTRA3 (NM\_001297559) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** HTRA3  
**Synonyms:** Prsp; Tasp  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC335587 representing NM\_001297559.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGCAGGCGCGAGCGCTGCTCCTGGCCGCGTTGGCCGCGCTGGCGCTGGCCCGGGAGCCCTGCGGGC
CCGTGTCCCGCGCGCTGCGACGTGTGCGGGTGTCCAGCCCCGCTGCCCGGGCGCTACGTGCCCGAC
CTCTGCAACTGCTGCCTGGTGTGCGCCGCCAGCGAGGGCGAGCCCTGTGGCGCCCTCTGGACTCGCCT
TGCGGGGAGAGCCTGGAGTGCCTGCGCGCCCTATGCCGCTGCCGCTGGTCGCACGCCGTGTGGCACC
GACGGGCACACCTATGCCAACGTGTGCGCGCTGCAGGCGGCCAGCCGCCGCGCTGCAGCTCTCCGGG
ACGCCCGTGCAGCTGCAGAAGGGCGCCTGCCCGTTGGGTCTCCACCAGCTGAGCAGCCCGCGCTAC
AAGTTCAACTTCATTGCTGACGTGGTGGAGAAGATCGCACCAGCCGTGGTCCACATAGAGCTCTTCCTG
AGACACCCGCTGTTTGGCCGCAACGTGCCCTGTCCAGCGGTTCTGGCTTCATCATGTGAGAGGCCGGC
CTGATCATACCAATGCCACGTGGTGTCCAGCAACAGTGTGCCCGGGCAGGCAGCAGCTCAAGGTG
CAGCTACAGAATGGGGACTCCTATGAGGCCACCATCAAAGACATCGACAAGAAGTCGGACATTGCCACC
ATCAAGATCCATCCCAAGAAAAGCTCCCTGTGTTGTTGCTGGTCACTCGGCCGACCTGCGGCCTGGG
GAGTTTGGTGGCCATCGGCAGTCCCTTCGCCCTACAGAACACAGTGACAACGGGCATCGTCAGCACT
GCCCAGCGGGAGGGCAGGGAGCTGGCCCTCCGGGACTCCGACATGGACTACATCCAGACGGATGCCATC
ATCAACTACGGGAACCTCCGGGGACCACCTGGTGAACCTGGATGGCGAGGTATTGGCATCAACACGCTC
AAGGTACCGGCTGGCATCTCCTTTGCCATCCCCTCAGACCGCATCACACGGTTCCTCACAGAGTTCCAA
GACAAGCAGATCAAAGCCCCCTCACTGGCAGTTTCATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI



**Plasmid Map:**


**ACCN:** NM\_001297559

**Insert Size:** 1074 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\\_001297559.1](#)

**RefSeq Size:** 2102 bp

**RefSeq ORF:** 1074 bp

**Locus ID:** 94031

**UniProt ID:** [P83110](#)

**Cytogenetics:** 4p16.1

**Protein Families:** Druggable Genome, Protease, Secreted Protein

**MW:** 37.9 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 (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 (PubMed:21321049, PubMed:22229724).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks several exons, and contains an alternate 3'-terminal exon, compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus.