

## Product datasheet for **SC126498**

### HTRA3 (NM\_053044) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HTRA3 (NM_053044) Human Untagged Clone
Tag:	Tag Free
Symbol:	HTRA3
Synonyms:	Prsp; Tasp
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_053044, the custom clone sequence may differ by one or more nucleotides

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ATGCAGGCGCGAGCGCTGCTCCTGGCCGCGTTGGCCGCGCTGGCGCTGGCCCGGGAGCCCCCTGCGGCGC
CGTGTCCCGCGCGCTGCGACGTGTGCGGTTGCCAGCCCCGCTGCCCGGCGGCTACGTGCCCGACCT
CTGCAACTGCTGCCTGGTGTGCGCCGAGCGAGGGCGAGCCCTGTGGCGCCCTCTGGACTCGCCTTGC
GGCGAGAGCCTGGAGTGCCTGCGCGCCATGCCGCTGCCGCTGGTGCACGCCGTGTGGCACCGACG
GGCACACCTATGCCAACGTGTGCGCGTGCAGGCGGCCAGCCGCCGCGCGCTGCAGCTCTCCGGGACGCC
CGTGCGCCAGCTGCAGAAGGGCGCTGCCGTTGGGTCTCCACCAGCTGAGCAGCCGCGCTACAAGTTC
AACTTCATTGCTGACGTGGTGGAGAAGATCGCACCAGCCGTGGTCCACATAGAGCTCTTCTGAGACACC
CGCTGTTTGGCCCAACGTGCCCTGTCCAGCGGTTCTGGCTTATCATGTGAGAGCCGGCCTGATCAT
CACCAATGCCACGTGGTGTCCAGCAACAGTGCTGCCCGGGCAGGCAGCAGCTCAAGGTGACGCTACAG
AATGGGGACTCCTATGAGGCCACCATCAAAGACATCGACAAGAAGTCGGACATTGCCACCATCAAGATCC
ATCCCAAGAAAAGCTCCCTGTGTTGTTGCTGGGTCACTCGGCCGACCTGCGGCCGAGTTTGTGGT
GGCCATCGGCAGTCCCTTCGCCCTACAGAACACAGTGACAACGGGCATCGTCAGCACTGCCAGCGGGAG
GGCAGGGAGCTGGGCCTCCGGGACTCCGACATGGACTACATCCAGACGGATGCCATCAACTACGGGA
ACTCCGGGGGACCCTGGTGAACCTGGATGGCGAGGTCAATGGCATCAACACGCTCAAGGTACAGGCTGG
CATCTCCTTTGCCATCCCCTCAGACCGCATCACACGGTTCCTCACAGATTCCAAGACAAGCAGATCAAA
GACTGGAAGAAGCGTTCATCGGCATACGGATGCGGACGATCACACCAAGCCTGGTGGATGAGTGAAGG
CCAGCAACCCGGACTTCCAGAGGTCAGCAGTGAATTTATGTGCAAGAGGTTGCCCGAATTCACCTTC
TCAGAGAGGCGGCATCCAAGATGGTGACATCATCGTCAAGGTCAACGGGCGTCTCTAGTGGACTCGAGT
GAGCTGCAGGAGGCGGTGCTGACCGAGTCTCCTCTCTACTGGAGGTGCGGCGGGGGAACGACGACCTCC
TCTTCAGCATCGCACCTGAGGTGGTCATGTGA

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Restriction Sites: Please inquire



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<b>ACCN:</b>	NM_053044
<b>Insert Size:</b>	2700 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_053044.2</a> , <a href="#">NP_444272.1</a>
<b>RefSeq Size:</b>	2585 bp
<b>RefSeq ORF:</b>	1362 bp
<b>Locus ID:</b>	94031
<b>UniProt ID:</b>	<a href="#">P83110</a>
<b>Cytogenetics:</b>	4p16.1
<b>Domains:</b>	IB, Tryp_SpC, PDZ, kazal
<b>Protein Families:</b>	Druggable Genome, Protease, Secreted Protein

**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 (1) represents the longer transcript and encodes the longer isoform (1).