

Product datasheet for **SC320130**

HTRA4 (NM_153692) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HTRA4 (NM_153692) Human Untagged Clone
Tag:	Tag Free
Symbol:	HTRA4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_153692.2

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AGGTCCAGAGTAAAGTCACTGAAGAGTGAAGCGAGGAAGGAACAGGATGATTAGACCTC
AGCTGCGGACCGGGGGCTGGGACGATGCCTCCTGCCGGGGCTGCTGCTCCTGGTGC
CCGTCCTCTGGGCCGGGGCTGAAAAGCTACATACCCAGCCCTCCTGCCCGCGGTCTGCC
AGCCACGCGCTGCCCGCGCTGCCACCTGCGCGCTGGGGACCACGCCGGTGTTCGACC
TGTGCCGTGTTGCCGCTGTGCCCGCGGCGAGCGTGAAGTCTGCGGCGGGGCGCAGG
GCCAACCGTGCGCCCGGGGCTGCAGTGCCTCCAGCCGCTGCGCCCGGGTTCGCCAGCA
CCTGCGGTTGCCCGACGCTGGGAGGGGCGGTGTGCGGCAGCGACAGGCGCACCTACCCCA
GCATGTGCGCGCTCCGGGCCGAAAACCGCGCCGCGCCGCTGGGAAGTCCCGGCCG
TGCCTGTGCGAGTGGGGAACTGCGGGGATACAGGGACCAGAAGCGCAGGCCCGCTCAGGA
GGAAATTACAACCTCATCGCCGCGGTGGTGGAGAAGGTGGCGCCATCGGTGGTTCACGTGC
AGCTGTGGGCAGGTTACTTACGCGCAGCAGGCTTGTTCCCTGTGTACAGTGGCTCTGGGT
TCATAGTGTCTGAGGACGGGCTCATTATTACCAATGCCCATGTTGTACAGAACAGCAGT
GGATTGAGGTGGTCTCCAGAATGGGGCCGTTATGAAGCTGTTGTCAAGGATATTGACC
TTAAATTGGATCTTGGGTGATTAAGATTGAATCAAATGCTGAACCTCCTGACTGATGC
TGGGAAGATCATCTGACCTTCGGGCTGGAGAGTTTGTGGTGGCTTTGGGCAGCCATTTT
CTCTGCAGAACACAGCTACTGCAGGAATTGTCAGCACAAACAGCGAGGGGGCAAAGAAC
TGGGGATGAAGGATTCAGATATGGACTACGTCCAGATTGATGCCACAATTAATATGGGA
ATTCTGGTGGTCTCTGGTGAACCTTGGATGGTGTGATGATTGGCGTCAATTCATTGAGGG
TACTGATGGAATCTCCTTTGCAATTCCTTCAGATCGAGTTAGGCAGTCTTGGCAGAAT
ACCATGAGCACCAGATGAAAGGAAAGGCGTTTTCAAATAAGAAATATCTGGGTCTGCAAA
TGCTGTCCCTCACTGTGCCCTTAGTGAAGAATTGAAAATGCATTATCCAGATTTCCCTG
ATGTGAGTTCTGGGGTTTATGTATGTAAAGTGTGTAAGGAACAGCTGCTCAAAGCTCTG
GATTGAGAGATCACGATGTAATTGTCAACATAAATGGGAAACCTATTACTACTACAACCTG
ATGTTGTTAAAGCTCTTGACAGTGATCCCTTTCCATGGCTGTTCTTCGGGGAAAAGATA
ATTTGCTCCTGACAGTCATACCTGAAACAATCAATTAATATCTGTTTTAAAGTGGGCT
TATCTAAAAAAAAAAAAAAAAA

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Restriction Sites: Please inquire



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ACCN:	NM_153692
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_153692.2</u> , <u>NP_710159.1</u>
RefSeq Size:	1544 bp
RefSeq ORF:	1431 bp
Locus ID:	203100
UniProt ID:	<u>P83105</u>
Cytogenetics:	8p11.22
Domains:	Tryp_SpC, PDZ, kazal
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	This gene encodes a member of the HtrA family of proteases. The encoded protein contains a putative signal peptide, an insulin growth factor binding domain, a Kazal protease inhibitor domain, a conserved trypsin domain and a PDZ domain. Based on studies on other related family members, this enzyme may function as a secreted oligomeric chaperone protease to degrade misfolded secretory proteins. Other human HtrA proteins have been implicated in arthritis, tumor suppression, unfolded stress response, apoptosis, and aging. [provided by RefSeq, Oct 2008]