

# Active Recombinant Human HTRA4 protein, His-tagged

**Cat. No.** HTRA4-793H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human full length HTRA4 protein was expressed in insect cells with C-terminus his tag.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 0.05% Brij, 0.05% Calcium chloride, 0.79% Tris HCl, 0.88% Sodium chloride, 0.34%, pH 7.5.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Bio-activity</b>     | Proteolytic activity of this product was documented by digestion of $\beta$ -casein. 0.5 mg $\beta$ -casein/ml are completely digested by 10 g/ml HTRA4 within 18 hours at 37 centigrade.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 52 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MIRPQLRTAGLGRCLLPGLLLLLVPVLWAGAEKLHTQPSCPAVCQPTRCPALPTCAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

GTTPVFDLCRCCRVCPAAEREVCGGAQGQPCAPGLQCLQPLRPGFPSTCGCPTLG  
 GAVCGSDRRTYPSMCALRAENRAARRLGKVPVQWGNCGDTGTRSAGPLRRN  
 YNFIAAVVEKVAPSVVHVQLWGRLLHGSRLVPVYSGSGFIVSEDGLITNAHVVRNQ  
 QWIEVVLQNGARYEAVVKDIDLKLDLAVIKIESNAELPVLMLGRSSDLRAGEFVVALG  
 SPFSLQNTATAGIVSTKQRGGKELGMKDSMDYVQIDATINYGNSGGPLVNLGDGVI  
 GVNSLRVTDGISFAIPSDRVRQFLAEYHEHQMKGKAFSNKKYLGLQMLSLTVPLSEE  
 LKMHYPDFPDVSSGVYVCKVVEGTAAQSSGLRDHDVIVNINGKPITTTTDDVVKALDS  
 DLSMAVLRGKDNLLLTVIPETINHHHHHH

**Purity** > 70% SDS-PAGE

**Storage** Store at -80 centigrade. Avoid freeze-thaw cycles.

**Concentration** 0.1 mg/mL

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** [HtrA serine peptidase 4 \[ Homo sapiens \]](#)

**Official Symbol** [HTRA4](#)

**Synonyms** HTRA4; HtrA serine peptidase 4; probable serine protease HTRA4; FLJ90724

**Gene ID** [203100](#)

**mRNA Refseq** [NM\\_153692](#)

**Protein Refseq** [NP\\_710159](#)

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| MIM | 610700 |
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| UniProt ID | P83105 |
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