Active Recombinant Human HTRA4 protein, His-tagged

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

SPECIFICATION

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

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	GTTPVFDLCRCCRVCPAAEREVCGGAQGQPCAPGLQCLQPLRPGFPSTCGCPTLG GAVCGSDRRTYPSMCALRAENRAARRLGKVPAVPVQWGNCGDTGTRSAGPLRRN YNFIAAVVEKVAPSVVHVQLWGRLLHGSRLVPVYSGSGFIVSEDGLIITNAHVVRNQ QWIEVVLQNGARYEAVVKDIDLKLDLAVIKIESNAELPVLMLGRSSDLRAGEFVVALG SPFSLQNTATAGIVSTKQRGGKELGMKDSDMDYVQIDATINYGNSGGPLVNLDGDVI GVNSLRVTDGISFAIPSDRVRQFLAEYHEHQMKGKAFSNKKYLGLQMLSLTVPLSEE LKMHYPDFPDVSSGVYVCKVVEGTAAQSSGLRDHDVIVNINGKPITTTTDVVKALDS DSLSMAVLRGKDNLLLTVIPETINHHHHHH	
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
UniProt ID	P83105

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