Active Recombinant Human HTRA4 protein, His-tagged

Cat. No. HTRA4-790H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HTRA4 protein fragment (138 to 476 aa) was expressed in E. coli with C-terminus his tag.
Species	Human
Source	E.coli
ProteinLength	138-476 a.a.
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	0.64% Tris HCl, 15% Glycerol, 0.704% Sodium chloride, 0.816% Imidazole, 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 24 hours at 37 centigrade.
Molecular Mass	38 kDa

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AA Sequence	MRLGKVPAVPVQWGNCGDTGTRSAGPLRRNYNFIAAVVEKVAPSVVHVQLWGRLL HGSRLVPVYSGSGFIVSEDGLIITNAHVVRNQQWIEVVLQNGARYEAVVKDIDLKLDL AVIKIESNAELPVLMLGRSSDLRAGEFVVALGSPFSLQNTATAGIVSTKQRGGKELG MKDSDMDYVQIDATINYGNSGGPLVNLDGDVIGVNSLRVTDGISFAIPSDRVRQFLA EYHEHQMKGKAFSNKKYLGLQMLSLTVPLSEELKMHYPDFPDVSSGVYVCKVVEGT AAQSSGLRDHDVIVNINGKPITTTTDVVKALDSDSLSMAVLRGKDNLLLTVIPETINHH HHHH
Purity	>90% by SDS-PAGE
Storage	Store at -80 centigrade. Avoid freeze-thaw cycles.
Concentration	0.1 mg/mL

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
MIM	610700
UniProt ID	P83105

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