

Recombinant Human HTRA1, His-tagged

Cat. No. HTRA1-47H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HTRA1 (23-480) protein was secretion-expressed by baculovirus in sf9 insect cells using an N-terminal His-tag.
Species	Human
Source	Sf9 Cells
ProteinLength	23-480 a.a.
Description	HTRA1 is a serine protease. HTRA1 targets a variety of proteins, including fibronectin (induce synovial cells to up-regulate MMP1 and MMP3 production), proteoglycans (release soluble FGF-glycosaminoglycan complexes that promote the range and intensity of FGF signals in the extracellular space), IGF-binding proteins (regulates the availability of insulin-like growth factors) and TSC2 (leads to the activation of TSC2 downstream targets). HTRA1 relates to age-related macular degeneration, a multifactorial eye disease and the most common cause of irreversible vision loss.
Form	50mM Tris-HCl, pH 8.0, 300mM NaCl, 150mM imidazole and 10% glycerol.
Molecular Mass	~58 kDa
Applications	Western Blot
Storage	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.1ug/ul

GENE INFORMATION

Gene Name HTRA1 HtrA serine peptidase 1 [Homo sapiens]

Official Symbol HTRA1

Synonyms HTRA1; HtrA serine peptidase 1; protease, serine, 11 (IGF binding) , PRSS11; serine protease HTRA1; HtrA; IGFBP5 protease; IGFBP5-protease; protease, serine, 11 (IGF binding); high-temperature requirement A serine peptidase 1; L56; ARMD7; ORF480; PRSS11;

Gene ID 5654

mRNA Refseq NM_002775

Protein Refseq NP_002766

MIM 602194

UniProt ID Q92743

Chromosome Location 10q26.3

Function insulin-like growth factor binding; peptidase activity; serine-type endopeptidase activity;

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