

## Recombinant Human HtrA3, His-tagged

**Cat. No.** HtrA3-191H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinanthuman HtrA3, expressed in insect cells with a C-terminal His-tag and is purified from insect cell culture supernatants. The calculated Mr of secreted HtrA3 is 47,8 kDa.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	HtrA3 is a secreted human serine protease is supposed to form oligomers of identical protein chains as revealed by X-ray analysis for the bacterial HtrA protein DegP. Polypeptide chains of human HtrA3 consist of several domains: An N-terminal insulin-like growth factor domain is followed by a Kazal-type serine protease inhibitor domain, a linker region, a trypsin-like protease domain and a PDZ domain. The function of HtrA3 is a probable serine protease. No information is available yet on physiological substrates or interacting proteins.
<b>Purity</b>	Recombinant HtrA3 appears as a major protein of 50 kDa in SDS-PAGE (> 70 % of total protein). Minor bands of HtrA3 fragments may be visible in the enzyme preparation.
<b>Formulation</b>	HtrA3 is solubilized in 150 mM NaCl, 5 mM CaCl <sub>2</sub> , 0.05 % Brij-35, 50 mM imidazol, 50 mM Tris-HCl, pH 7.5.
<b>Applications</b>	Recombinant HtrA3 allows detailed studies of the structure and function of this protease. The enzyme is used to screen for inhibitors and to characterize

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inhibitoractions. Recombinant HtrA3 can also serve as standard in enzymatic and immunochemical assays.

**Storage**

Recombinant human HtrA3 is stable until the expiry date given on the label when stored at -70 °C. Repeated freezing and thawing should be avoided.

## GENE INFORMATION

**Gene Name**

HTRA3HtrA serine peptidase 3 [ Homo sapiens ]

**Synonyms**

Prsp;Tasp;probable serine protease HTRA3;probable serine protease HTRA3;serine proteaseHTRA3;pregnancy-related serine protease;high-temperature requirement factorA3

**Gene ID**

94031

**mRNA Refseq**

NM\_053044

**Protein Refseq**

NP\_001605

**MIM**

102560

**UniProt ID**

P63261

**Chromosome Location**

4p16.1

**Function**

insulin-like growthfactor binding; peptidase activity; serine-type endopeptidase activity

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