

Recombinant Human HtrA3, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Insect Cells
Description	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.
Purity	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.
Formulation	HtrA3 is solubilized in 150 mM NaCl, 5 mM CaCl ₂ , 0.05 % Brij-35, 50 mM imidazol, 50 mM Tris-HCl, pH 7.5.
Applications	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

[HTRA3](#) HtrA serine peptidase 3 [Homo sapiens]

Synonyms

Prsp; Tasp; probable serine protease HTRA3; probable serine protease HTRA3; serine protease HTRA3; pregnancy-related serine protease; high-temperature requirement factor A3

Gene ID

[94031](#)

mRNA Refseq

[NM_053044](#)

Protein Refseq

[NP_001605](#)

MIM

[102560](#)

UniProt ID

[P63261](#)

**Chromosome
Location**

4p16.1

Function

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

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