

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 purifiedfrom insect cell culture supernatants. The calculated Mr of secreted HtrA3 is47,8 kDa.
Species	Human
Source	Insect Cells
Description	HtrA3 isa secreted human serine protease is supposed to form oligomers of identicalprotein chains as revealed by X-ray analysis for the bacterial HtrA proteinDegP. Polypeptide chains of human HtrA3 consist of several domains: AnN-terminal insulin-like growth factor domain is followed by a Kazal-typeserine protease inhibitor domain, a linker region, a trypsin-like proteasedomain and a PDZ domain. The function of HtrA3 is a probable serine protease.No information is available yet on physiological substrates or interactingproteins.
Purity	RecombinantHtrA3 appears as a major protein of 50 kDa in SDS-PAGE (> 70 % of totalprotein).Minor bands of HtrA3 fragments may be visible in the enzyme preparation.
Formulation	HtrA3 issolublized in 150 mM NaCl, 5 mM CaCl2, 0.05 % Brij-35, 50 mM imidazol, 50 mMTris-HCl, pH 7.5.
Applications	RecombinantHtrA3 allows detailed studies of the structure and function of this protease.The enzyme is used to screen for inhibitors and to characterize

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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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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