

Product datasheet

Recombinant human HtrA3 protein ab134450

2 Images

Description

Product name	Recombinant human HtrA3 protein
Biological activity	Proteolytic activity of ab134450 was documented by digestion of β -casein. 0.5 mg β -casein/ml are completely digested by 50 μ g/ml HtrA3 within 2 hours at 37°C.
Purity	> 70 % SDS-PAGE.
Expression system	Insect cells
Accession	P83110
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	48 kDa including tags
Amino acids	1 to 453
Tags	His tag C-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab134450** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Inhibition Assay Functional Studies
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Form	Liquid
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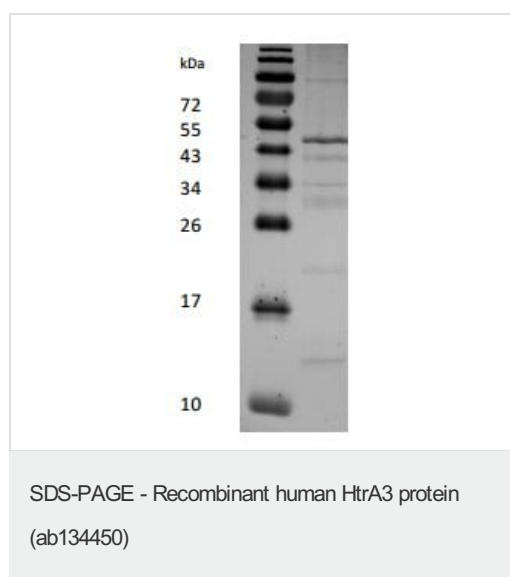
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.79% Tris HCl, 0.88% Sodium chloride, 50% Glycerol This product is an active protein and may elicit a biological response in vivo, handle with caution.
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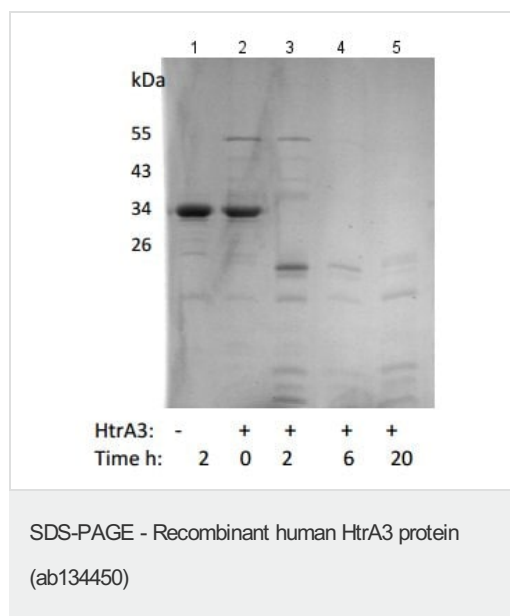
General Info

Function	Probable serine protease.
Tissue specificity	Widely expressed, with highest levels in both adult and fetal heart, ovary, uterus placenta, and bladder. Isoform 1 is predominant in heart and skeletal muscle, whereas isoform 2 is predominant in placenta and kidney.
Sequence similarities	Belongs to the peptidase S1B family. Contains 1 IGF1BP N-terminal domain. Contains 1 Kazal-like domain. Contains 1 PDZ (DHR) domain.
Cellular localization	Secreted.

Images



SDS-PAGE analysis of ab134450 (1 μ g). Minor bands of HtrA3 fragments may be visible in the enzyme preparation.



Hydrolysis of beta-Casein by ab134450. β -Casein (0.5 mg/ml) was incubated in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.5 mM CaCl_2 with or without HtrA3 (50 μ g/ml). After indicated time intervals 10 μ l aliquots of the reaction mixtures were withdrawn and analyzed by SDS-PAGE.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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