

Active Recombinant Human HTRA2 protein, His-tagged

Cat. No. HTRA2-968H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human HTRA2 protein(O43464-1) (Ala 134-Glu 458) was expressed in E. coli, with a polyhistidine tag at the C-terminus.
Species	Human
Source	E. coli
ProteinLength	134-458 aa
Form	Lyophilized from sterile 50mM Tris, 0.3M NaCl, 1mM DTT, 20% Glycerol, pH 7.8.
Bio-activity	Protease activity demonstrated by HtrA2 cleavage of bovine β -casein. Incubation of β -casein at 0.2 mg/mL with Recombinant Human HTRA-2 at 0.02 mg/mL (ratio of 10:1) for 60 minutes at 45°C in 50 mM Tris, pH 8.0, which results in >95% cleavage of β -casein, as revealed by SDS-PAGE.
Molecular Mass	The recombinant human HTRA2 consisting of 336 amino acids and has a calculated molecular mass of 36.5 kDa as estimated in SDS-PAGE under reducing conditions.
Purity	> 87 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

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Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$.

GENE INFORMATION

Gene Name [HTRA2 HtrA serine peptidase 2 \[Homo sapiens \]](#)

Official Symbol [HTRA2](#)

Synonyms HTRA2; HtrA serine peptidase 2; protease, serine, 25 , PRSS25; serine protease HTRA2, mitochondrial; OMI; PARK13; serine protease 25; protease, serine, 25; serine proteinase OMI; HtrA-like serine protease; Omi stress-regulated endoprotease; high temperature requirement protein A2; PRSS25;

Gene ID [27429](#)

mRNA Refseq [NM_013247](#)

Protein Refseq [NP_037379](#)

MIM [606441](#)

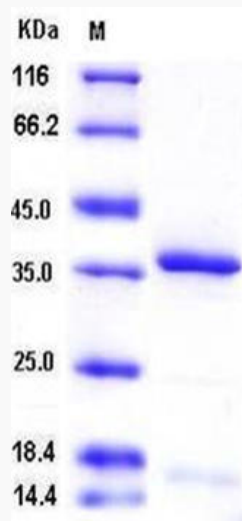
UniProt ID [O43464](#)

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SDS-PAGE



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