

Recombinant Human HTRA2, His-tagged

Cat. No. HTRA2-14010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HTRA2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	133-458a.a.
Description	This gene encodes a serine protease. The protein has been localized in the endoplasmic reticulum and interacts with an alternatively spliced form of mitogen-activated protein kinase 14. The protein has also been localized to the mitochondria with release to the cytosol following apoptotic stimulus. The protein is thought to induce apoptosis by binding the apoptosis inhibitory protein baculoviral IAP repeat-containing 4. Nuclear localization of this protein has also been observed. Alternate splicing of this gene results in two transcript variants encoding different isoforms. Additional transcript variants have been described, but their full-length sequences have not been determined.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

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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
Chromosome Location	2p13.1
Pathway	Parkinsons disease, organism-specific biosystem;
Function	peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity; serine-type peptidase activity; unfolded protein binding;

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