

Recombinant Human HTRA2, His-tagged

Cat. No. HTRA2-26086TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length mature Human HtrA2/Omi protein (134-458) without N-terminal 133 residues. Additional C-terminal His-tag.
Species	Human
Source	E.coli
ProteinLength	134-458 a.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.
Conjugation	HIS
Tissue specificity	Isoform 1 is ubiquitous. Isoform 2 is expressed predominantly in the kidney, colon and thyroid.
Form	Liquid

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Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MAVPSPPPAS PPSQYNFIAD VVEKTAPAVV YIEILDRHPF LGREVPISNG SGFVVAADGLIVTNAHVVD RRRVRVRLLS GDTYEAVVTA VDPVADIATL RIQTKEPLPT LPLGRSADVRQGEFVVAMGS PFALQNTITS GIVSSAQRPA RDLGLPQTNV EYIQTDAID FGNAGGPLVNL DGEVIGVNT MKVTAGISFA IPSDRLREFL HRGEKKNSSS GISGSQRRYI GVMMTLSPSILAEQLREP SFPDVQHGV L IHKVLGSPA HRAGLRPGDV ILAIGEQMVQ NAEDVYEAVRTQSQLAVQIR RGRETLTLYV TPEVTEGSHH HHHH
Sequence Similarities	Belongs to the peptidase S1B family. Contains 1 PDZ (DHR) domain.
Full Length	Full L.

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;
Gene ID	27429

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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; unfolded protein binding;

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