

## 32-2459: HTRA2 Recombinant Protein

**Alternative Name :** Serine protease HTRA2 mitochondrial, EC 3.4.21.108, High temperature requirement protein A2, HtrA2, Omi stress-regulated endoprotease, Serine proteinase OMI, Serine protease 25, OMI, PARK13, PRSS25.

### Description

Source : Escherichia Coli. HtrA2 Human Recombinant amino acids 134-458 His-Tag fusion protein produced in E. Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 36kDa. The HtrA2 is purified by proprietary chromatographic techniques. HtrA2 also called Omi is a mammalian serine protease at high temperatures and has a chaperone activity at low temperature. The full-length HtrA2 is synthesized as a precursor protein and then targeted to the mitochondria where it is matured by the removal of N-terminal 133 residues. Mature HtrA2 consists of a putative transmembrane domain; an inhibitor of apoptosis protein (IAP)-binding motif; a single C-terminal PDZ domain that mediates protein-protein interactions. Recently, HtrA2 has been known to contribute both to caspase-dependent and caspase-independent cell death.

### Product Info

<b>Amount :</b>	50 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	The protein (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 50mM NaCl, 1mM DTT, and 20% Glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MAVPSPPPPAS PPSQYNFIAD VVEKTAPAVV YIEILDRHPF LGREVPISNG SGFVVAADGL IVTNAHVVD RRRVRVRLLS GDTYEAVVTA VDPVADIATL RIQTKEPLPT LPLGRSADVR QGEFVVAMGS PFALQNTITS GIVSSAQRPA RDLGLPQTNV EYIQTDAID FGNAGGPLVN LDGEVIGVNT MKVTAGISFA IPSDRLREFL HRGEKKNSSS GISGSQRRYI GVMMTLTSPS ILAELQLREP SFPDVQHGV L IHKVLGSPA HRAGLRPGDV ILAIGQMVMQ NAEDVYEAVR TQSQLAVQIR RGRETLTLYV TPEVTEGSHH HHHH.

