

HTRA2

Recombinant Human HTRA2 (aa 134-458) His

Catalog No.	CSI12711 CSI12712 CSI12713	Quantity:	10 µg 50 µg 1.0 mg
Alternate Names:	High temperature requirement protein A2, HtrA2, Omi stress-regulated endoprotease, Serine proteinase OMI, Serine protease 25, Serine protease HTRA2 mitochondrial, OMI, PARK13, PRSS25.		
Description:	<p>HTRA2 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 matures by the removal of 133 N-terminal residues. Mature HTRA2 consists of a putative transmembrane domain, an inhibitor of apoptosis protein-binding motif, and a single C-terminal PDZ domain that mediates protein-protein interactions. HTRA2 has been shown to contribute to caspase-dependent and caspase-independent cell death.</p> <p>Recombinant Human HTRA2 is a single, non-glycosylated polypeptide chain consisting of aa 134-458 fused to a His tag at the C-terminus. It is purified by proprietary chromatographic techniques.</p>		
Physical Appearance:	Sterile filtered colorless solution.		
Gene ID:	27429		
Source:	<i>E. coli</i>		
Molecular Weight:	32 kDa		
Formulation:	The protein (0.5 mg/ml) contains 20 mM Tris-HCl buffer, pH 8.0, + 50 mM NaCl + 1 mM DTT + 20% Glycerol.		
Amino Acid Sequence:	MAVPSPPPAS PPSQYNFIAD VVEKTAPAVV YIELDRHPF LGREVPISNG SGFVVAADGL IVTNAHVVD RRRVRVRLLS GDTYEAVVTA VDPVADIATL RIQTKEPLPT LPLGRSADV RQGEFVVAMGS PFALQNTITS GIVSSAQRPA RDLGLPQTNV EYIQTDAID FGNAGGPLVN LDGEVIGVNT MKVTAGISFA IPSDRLREFL HRGEKKNSSS GISGSQRRYI GVMMMLTLSPS ILAELQLREP SFPDVQHGV L IHKVLGSPA HRAGLRPGDV ILAIGEQMVQ NAEDVYEAVR TQSQLAVQIR RGRETLLTYV TPEVTEGSHH HHHH.		
Storage & Stability:	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.		

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