

HtrA2/Omi recombinant protein

HtrA2/Omi, 134-458aa, Human, His tag, E Coli

CATALOG # AAA48468	HOST E Coli	APPLICATIONS SDS-Page
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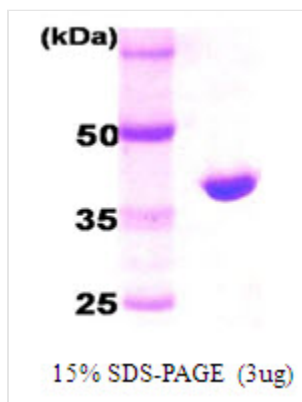
PRODUCT SYNONYMS

HtrA2/Omi; 134-458aa; Human; His tag; E Coli; High temperature requirement protein A2; HTRA2; OMI; PRSS25; EC 3.4.21.108; HtrA2; Omi stress-regulated endoprotease; Serine proteinase OMI; Serine protease 25; Serine protease HTRA2; mitochondrial; HtrA2/Omi recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0), 50 mM NaCl, 1 mM DTT, 20% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MAVPSPPPAS PPSQYNFIAD VVEKTAPAVV YIEILDRHPF LGREVPISNG SGFVVAADGL IVTNAHVVD RRRVVRLLS GDTYEAVVTA VDPVADIATL RIQTKEPLPT LPLGRSADVR QGEFVVAMGS PFALQNTITS GIVSSAQRPA RDLGLPQTNV EYIQTDAAID FGNAGGPLVN LDGEVIGVNT MKVTAGISFA IPSDRLREFL HRGEKKNSSS GISGSQRRYI GVMMTLSPS ILAELQLREP SFPDVQHGVL IHKVILGSPA HRAGLRPGDV ILAIGE QMVQ NAEDVYEAVR TQSQLAVQIR RGRETTLTYV TPEVTEGSHH HHHH
Sequence Length	458
Applicable Applications for HtrA2/Omi recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HtrA2/Omi recombinant protein	HtrA2/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 known to contribute both to caspase-dependent and caspase-independent cell death. Mature form of HtrA2/Omi (residues 134-458) was overexpressed in E Coli, and purified by conventional column chromatography techniques.
Product Categories/Family for HtrA2/Omi recombinant protein	Enzymes & Proteases
References	Savopoulos JW., et al., (2000) Protein Expr. Purif. 19, 227-34; Gray CW, et al., (2000) Eur. J. Biochem. 267, 5699-710 ; Martins LM, et al., (2002) J. Biol. Chem. 277, 439-44; Van Loo G, et al., (2002) Cell Death Differ. 9, 20-60;

NCBI AND UNIPROT INFORMATION

NCBI GI #	7019477
NCBI GeneID	27429
NCBI Accession #	NP_037379
NCBI GenBank Nucleotide #	NM_013247.4
UniProt Accession #	O43464; Q9HBZ4; Q9P0Y3; Q9P0Y4
Molecular Weight	36kDa (334aa), confirmed by MALDI-TOF.
NCBI Official Full Name	serine protease HTRA2, mitochondrial isoform 1 preproprotein
NCBI Official Synonym Full Names	HtrA serine peptidase 2
NCBI Official Symbol	HTRA2
NCBI Official Synonym Symbols	OMI; MGCA8; PARK13; PRSS25
NCBI Protein Information	serine protease HTRA2, mitochondrial
UniProt Protein Name	Serine protease HTRA2, mitochondrial
UniProt Gene Name	HTRA2
UniProt Synonym Gene Names	OMI; PRSS25; HtrA2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/htra2-recombinant-protein-e-coli-sds-page/48468>