

**HtrA2/Omi 134-458 Human, Recombinant, His- tagged, E.coli**

**Cat.NO.: TP02543**

3th Edition

**Synonyms:**High temperature requirement protein A2, Serine protease 25, Omi stress-regulated endoprotease, PRSS25

**Description:**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 proteinprotein interactions.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 50 mM NaCl,1 mM DTT, 20% glycerol

**Molecular Weight:**36kDa (334aa), confirmed by MALDI-TOF

**Sequences:**

MAVPSPPPASPPSQYNFIADVVEKTAPAVVYIEILDRHPFLGREVPISNGSGFVVAADGLIVTNAHVVADRRRVRL  
LSGDTYEAVVTAVDPVADIATLRIQTKEPLPLPLGRSADVRQGEFVAMGSPFALQNTITSGIVSSAQRPARDLGLP  
QTNVEYIQTDAIDFGNAGGPLVNLGDEVIGVNTMKVTAGISFAIPSDRLREFLHRGEKKNSSSGISGSQRRYIGVM  
MLTLSPSILAEQLREPSFPDVQHGVLIHKVILGSPAHRAGLRPGDVILAIGE QMVQNAEDVYEAVRTQSQLAVQIRR  
GRETTLTYVTPEVTEGSHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.