
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:

MAVPSPPPPASPPSQYNFIADVVEKTAPAVVYIEILDRHPFLGREVPISNGSGFVVAADGLIVTNAHVVADRRRVVRVRL
LSGDTYEAVVTAVDPVADIATLRIQTKEPLPTLPLGRSADVRRQGEFVAMGSPFALQNTITSGIVSSAQRPARDLGLP
QTNVEYIQTDAIDFGNAGGPLVNLDGEVIGVNTMKVTAGISFAIPSDRLREFLHRGEKKNSSSGISGSQRRYIGVM
MLTLSPSILAEQLREPSFPDVQHGVLHVKVILGSPAHRAGLRPGDVILAIGEQMVQNAEDVYEAVRTQSQLAVQIRR
GRETLTLYVTPEVTEGSHHHHHH

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.