

HTRA2 Human

Description: 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 32 kDa. The HtrA2 is purified by proprietary chromatographic techniques.

Catalog #: ENPS-339

For research use only.

Synonyms: 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.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MAVSPPPAS PPSQYNFIAD VVEKTAPAVV YIEILDRHPF
LGREVPISNG SGFVVAADGL ITVNAHVVD RRRVRVRLLS GDTYEAVVTA VDPVADIATL
RIQTKEPLPT LPLGRSADV RQGEFVAMGS PFALQNTITS GIVSSAQRPA RDLGLPQTNV
EYIQTDAAD FGNAGGPLVN LDGEVIGVNT MKVTAGISFA IPSDRLREFL HRGEKKNSSS
GISGSQRRYI GV

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The protein (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 50mM NaCl, 1mM DTT, and 20% Glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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 known to contribute both to caspase-dependent and caspase-independent cell death.

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