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Datasheet for ABIN7319358 HTRA2 Protein (His tag)

Overview

Quantity:	50 µg
Target:	HTRA2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HTRA2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HtrA2/Omi Protein (His Tag)
Sequence:	Ala134-Glu458
Characteristics:	Recombinant Human High Temperature Requirement Protein-2 is produced by our Mammalian expression system and the target gene encoding Ala134-Glu458 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	HTRA2
Alternative Name:	HtrA2/Omi (HTRA2 Products)
Background:	Background: High temperature requirement protein A2(HTRA2) is a single-pass membrane protein .It contains 1 PDZ (DHR) domain and belongs to the peptidase S1C family. HtrA2 can be

Target Details

released from the mitochondria during apoptosis and uses its four most N-terminal amino acids to mimic a caspase and be recruited by IAP caspase inhibitors such as XIAP and CIAP1/2. It promotes or induces cell death either by direct binding to and inhibition of BIRC proteins (also called inhibitor of apoptosis proteins, IAPs), leading to an increase in caspase activity, or by a BIRC inhibition-independent, caspase-independent and serine protease activity-dependent mechanism. The protein cleaves THAP5 and promotes its degradation during apoptosis.

Synonym: Serine protease HTRA2, mitochondrial, High temperature requirement protein A2, HtrA2, Omi stress-regulated endoprotease, Serine protease 25, Serine proteinase OMI, HTRA2, OMI, PRSS25

Molecular Weight: 36.0 kDa

UniProt: [O43464](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 7.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.