Recombinant Human HtrA2/Omi Protein (His Tag)

Catalog No. PKSH033408

Note: Centrifuge before opening to ensure complete recovery of vial contents.

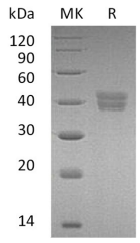
Description

Synonyms	Serine protease HTRA2;mitochondrial;High temperature requirement protein A2;HtrA2;Omi stress-regulated endoprotease;Serine protease 25;Serine proteinase OMI;HTRA2;OMI;PRSS25
Species	Human
Expression Host	HEK293 Cells
Sequence	Ala134-Glu458
Accession	O43464
Calculated Molecular Weight	36.0 kDa
Observed molecular weight	35-43 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 4mM HCl.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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 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

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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.

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