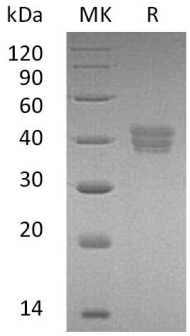
Product Name: Recombinant Human HTRA2 (C-6His)
Catalog #: PHH0812

Summary

Name	HTRA2/Serine protease HTRA2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	O43464
Host	Human Cells
Species	Human
Predicted Molecular Mass	36 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 4mM HCl.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Serine protease HTRA2; mitochondrial;High temperature requirement protein A2;HtrA2;Omi stress-regulated endoprotease;Serine protease 25;Serine proteinase OMI;HTRA2;OMI; PRSS25
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 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.

Note

For Research Use Only , Not for Diagnostic Use.