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Datasheet for ABIN7520069 HTRA2 Protein

Overview

Quantity:	10 µg
Target:	HTRA2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Active Recombinant Human HTRA2 Protein
Sequence:	AVPSPPPASP RSQYNFIADV VEKTAPAVVY IEILDRHPFL GREVPISNGS GFVVAADGLI VTNAHVVADR RRVVRLLSG DTYEAVVTAV DPVADIATLR IQTKEPLPTL PLGRSADVRQ GEFVAMGSP FALQNTITSG IVSSAQRPAR DLGLPQTNVE YIQTDAAIDF GNSGGPLVNL DGEVIGVNTM KVTAGISFAI PSDRLREFLH RGEKKNSSSG ISGSQRRYIG VMMLTLSPSI LAELQLREPS FPDVQHGVLI HKVILGSPAH RAGLRPGDVI LAIGE QMVQN AEDVYEAVRT QSQLAVQIRR GRETLTYVT PEVTE
Specificity:	Ala134-Glu458
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Biological Activity Comment:	Protease activity demonstrated by HtrA2 cleavage of bovine β-casein . Incubation of β-casein at 0.2 mg/mL with Recombinant Human HTRA-2 at 0.02 mg/mL (ratio of 10:1) for 60 minutes at 45°C in 50 mM Tris, pH 8.0, which results in >95% cleavage of β-casein, as revealed by SDS-

Product Details

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Target Details

Target:	HTRA2
Alternative Name:	HTRA2 (HTRA2 Products)
Background:	<p>Description: The protein is a serine protease. It has been localized in the endoplasmic reticulum and interacts with an alternatively spliced form of mitogen-activated protein kinase 14. The protein has also been localized to the mitochondria with release to the cytosol following apoptotic stimulus. The protein is thought to induce apoptosis by binding the apoptosis inhibitory protein baculoviral IAP repeat-containing 4. Nuclear localization of this protein has also been observed.</p> <p>Name: HTRA2,MGCA8,OMI,PARK13,PRSS25, OMI, PARK13, PRSS25</p>
Gene ID:	27429
UniProt:	O43464
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>