

Recombinant Human HTRA2 Protein

Catalog No.: RP00041

Sequence Information

Species **Gene ID**
Human 27429

Swiss Prot **Tags**
O43464 No tag

Synonyms

HTRA2, MGCA8, OMI, PARK13,
PRSS25, OMI, PARK13, PRSS25

Product Information

Source **Purification**
E. coli ≥ 90 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
34.98 kDa 35 kDa

Endotoxin

Please contact us for more
information.

Formulation

Lyophilized from a 0.22 μm filtered
solution of 20mM Tris, 150mM
NaCl, pH 8.0. Contact us for
customized product form or
formulation.

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.

Background

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.

Basic Information

Description

Recombinant Human HTRA2 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala134–Glu458) of human HTRA2/Omi (Accession #NP_037379.1).

Activity

Protease activity demonstrated by HtrA2 cleavage of bovine β-casein (Sigma, Catalog # C-6905). 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-PAGE.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

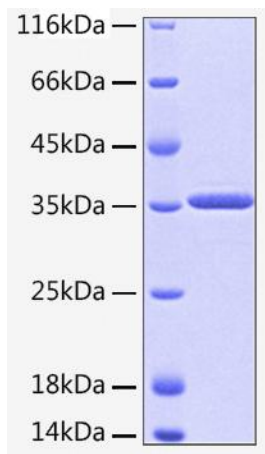
Contact

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Validation Data



Recombinant Human HTRA2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.