

Recombinant Human HtrA2/Omi Protein (His Tag)

RPES3586

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES3586

Purity: > 87 % as determined by reducing SDS-PAGE.

Contents: 100µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: Please contact us for more information.

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

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: E.coli

Bio-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.

Calculated MW: 36.5 kDa

Formulation: Lyophilized from sterile 50mM Tris, 0.3M NaCl, 1mM DTT, 20% Glycerol, pH 7.8 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 36.5 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: O43464-1

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: E.coli-derived Human HtrA2/Omi protein Ala 134-Glu 458, with an C-terminal His

Sequence: Ala 134-Glu 458

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

Form: Lyophilized powder