

Recombinant Human Ubiquitin carboxyl-terminal hydrolase 7/USP7 protein

Catalog No.: RP10202LQ **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 7874 | Q93009 |

Tags

GST Tag

Synonyms

HAUSP; TEF1; USP7; TEF1

Background

USP7 is a cysteine protease, belongs to the family of ubiquitin-specific proteases. USP7 was first discovered as a binding enzyme to the Herpes simplex viral protein. Studies have shown that USP7 could deubiquitinate the autoubiquitination of an E3 ligase called HDM2 that promotes ubiquitination and subsequent degradation of p53. The USP7/HDM2/p53 interaction results in higher protein levels of HDM2 and lower levels of p53. Because of its apparent role in different types of pathologies, including lung and liver cancer, it has become a possible target for drug therapies.

Basic Information

Description

Bio-Activity

Storage

This product is stable at $\leq -70^{\circ}\text{C}$ for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze/thaw cycles.

Product Information

| Source | Purification |
|------------------|------------------|
| sf9 insect cells | ~90% by SDS-PAGE |

Endotoxin

Formulation

20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol

Reconstitution

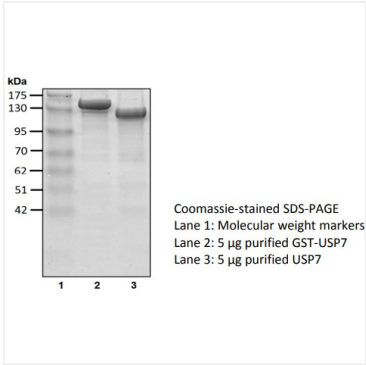
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Validation Data



Recombinant Human Ubiquitin carboxyl-terminal hydrolase 7/USP7 protein was determined by SDS-PAGE with Coomassie Blue.