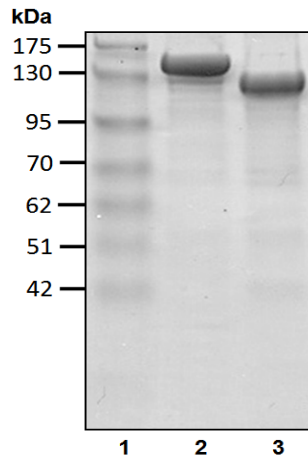


GST-USP7

Cat. # H5710

Also Known as: TEF1; HAUSP
NCBI Reference: NM_003470
MW (no tag): 128.3 kDa
Species: Human
Source: Sf9 insect cells
Tag: GST
Stock Buffer: 20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol
Concentration: See tube label
Quality Assurance: ~90% by SDS-PAGE

Image



Coomassie-stained SDS-PAGE
Lane 1: Molecular weight markers
Lane 2: 5 μ g purified GST-USP7
Lane 3: 5 μ g purified USP7

Description: 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.

Storage: Store at -80°C; avoid multiple freeze-thaw cycles

Note: N/A

Literature:

1. Everett RD, et al. (1997) EMBO J 16(7), 1519 – 1530.
2. Li M, et al. (2004) Mol Cell 26(13), 879 – 886.
3. Cummins JM, et al (2004) Nature 428(6982), 1 p following 486.
4. Nicholson B, et al. (2011) Cell Biochem Biophys 60(1 – 2), 61 – 68.

