His$_6$-USP28, human recombinant
Cat. # E-570

USP28 is a deubiquitinating enzyme of the C19 peptidase family that regulates MYC stability and DNA damage response checkpoints. USP28 regulates DNA repair by deubiquitinating and thereby stabilizing CLSPN—a protein that is ubiquitinated by the APC/C E3 ubiquitin ligase in a cell-cycle dependent manner. USP28 interacts with isoform 1 of FBXW7 in the nucleoplasm, and regulates MYC degradation by counteracting its ubiquitination. Recently, a potential role in HIF-1α-dependent processes such as angiogenesis and metastasis has been described for this deubiquitinase. USP28 has been demonstrated to cleave K6, K11, K48, and K63-linked polyubiquitin chains. This recombinant protein contains a C-terminal 6-His tag.

### Product Information

| Quantity: | 100 µg |
| Stock: | X mg/ml (X µM) in 50 mM Hepes pH 7.5, 100 mM NaCl, 1 mM TCEP |
| MW: | 123 kDa |
| Purity: | > 90% by SDS-PAGE |

### Use & Storage

**Use:** Typical enzyme concentration for use *in vitro* ranges from 0.01-0.5 µM depending on conditions and substrate.

**Storage:** Store at -80°C. Avoid multiple freeze/thaw cycles.

### Literature

**References:**
- Flügel D., *et al.* (2012) *Blood* **119:**1292-301

*For Laboratory Research Use Only, Not For Use in Humans*

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