

## Active Recombinant Human USP2

**Cat. No.** USP2-1042H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human USP2 (Accession # O75604), fused with , was produced in E. coli.                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                      |
| <b>Form</b>             | 2.0 mg/ml (50 µM) in 50 mM HEPES pH 8.0, 150 mM NaCl, 0.1 mM EDTA, and 1 mM DTT.                                                                                                                                                                            |
| <b>Bio-activity</b>     | Recombinant Human USP2 Catalytic Domain is a Ubiquitin-specific deconjugating enzyme. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human USP2 Catalytic Domain concentration of 1-5 nM. |
| <b>Molecular Mass</b>   | Recombinant Human USP2 has a calculated MW of 40 kDa.                                                                                                                                                                                                       |
| <b>Purity</b>           | >95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.                                                                                                                                                              |
| <b>Storage</b>          | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).                                                               |
| <b>Reconstitution</b>   | Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine                                                                                                                                                                           |

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serum albumin.

## GENE INFORMATION

**Gene Name** [USP2 ubiquitin specific peptidase 2 \[ Homo sapiens \]](#)

**Official Symbol** USP2

**Synonyms** USP2; ubiquitin specific peptidase 2; ubiquitin specific protease 2; ubiquitin carboxyl-terminal hydrolase 2; UBP41; ubiquitin thioesterase 2; deubiquitinating enzyme 2; ubiquitin specific protease 9; ubiquitin specific protease 12; 41 kDa ubiquitin-specific protease; ubiquitin-specific-processing protease 2; USP9;

**Gene ID** [9099](#)

**mRNA Refseq** [NM\\_001243759](#)

**Protein Refseq** [NP\\_001230688](#)

**MIM** [604725](#)

**UniProt ID** O75604

**Chromosome Location** 11q23.3

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