

# Recombinant Human USP2, His-tagged

**Cat. No.** USP2-153H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human USP2core protein, fused with His6 tag, was expressed in E. coli.                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | USP2 core represents the common catalytic core domain of the two isoforms of USP2, USP2a and USP2b. In vitro studies revealed that the USP2 core was able to deubiquitylate high molecular weight proteins from testis extracts and cleave Ub-PLA2 with good efficiency. |
| <b>Form</b>             | Liquid, 50mM Hepes, pH8, 150mM NaCl, 5mM DTT, 10% glycerol                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 40kDa                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Store at -80°C, avoiding repeated freeze-thaw cycles.                                                                                                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                          |
|------------------------|------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | USP2 ubiquitin specific peptidase 2 [ Homo sapiens ]                                     |
| <b>Official Symbol</b> | USP2                                                                                     |
| <b>Synonyms</b>        | USP2; ubiquitin specific peptidase 2; ubiquitin specific protease 2; ubiquitin carboxyl- |

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|                            |                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | 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;           |
| <b>Gene ID</b>             | 9099                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>         | NM_001243759                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>      | NP_001230688                                                                                                                                                                                                                                   |
| <b>MIM</b>                 | 604725                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>          | O75604                                                                                                                                                                                                                                         |
| <b>Chromosome Location</b> | 11q23.3                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;                                                                                                                                                                                |
| <b>Function</b>            | cyclin binding; cysteine-type endopeptidase activity; identical protein binding; metal ion binding; peptidase activity; protein binding; ubiquitin protein ligase binding; ubiquitin thiolesterase activity; ubiquitin thiolesterase activity; |