

## 32-7166: Recombinant Human Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1/UCH-L1 (C-6His)

**Gene :** UCHL1  
**Gene ID :** 7345  
**Uniprot ID :** P09936

### Description

Source: E.coli.  
MW :25.89kD.

Recombinant Human Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1 is produced by our E.coli expression system and the target gene encoding Met1-Ala223 is expressed with a 6His tag at the C-terminus. Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1 (UCHL1) belongs to the Peptidase C12 family. UCHL1 is specifically expressed in the neurons and in cells of the diffuse neuroendocrine system. UCHL1 is a component of the ubiquitin system, which has a fundamental role in regulating various biological activities. UCHL1 is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. UCHL1 also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer of UCHL1 may have ATP-independent ubiquitin ligase activity.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 250mM NaCl, 1mM DTT, 10% Glycerol, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MQLKPMEINPEMLNKVLSRLGVAGQWRFVDVLGLEEEESLGSVPAPACALLLLFPLTAQHENFRKKQIEELKGQE  
VSPKYYFMKQTIGNSCGTIGLIHAVANNQDKLGFEDGSVLKQFLSETEKMSPEDRAKCFEKNEAIQAAHDAVAQ  
EGQCRVDDKVNFFHILFNNVDGHLIELDGRMPFPVNHGASSEDLLKDAAKVCREFTEREQGEVRFSAVALCK  
AALEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.