



**Recombinant Human Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1/UCH-L1 Protein(C-6His)**

**Cat.NO.: TP04663**

3th Edition

**Synonyms:**Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1; UCH-L1; Neuron Cytoplasmic Protein 9.5; PGP 9.5; PGP9.5; Ubiquitin Thioesterase L1; UCHL1

**Description:**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.

**Form:**PBS

**Molecular Weight:**25.9 kDa

**Sequences:**Met 1-Ala223

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.