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

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: MQLKPMEINPEMLNKVLSRLGVAGQWRFVDVLGLEEESLGSVPAPACALLLLFPLTAQHENFRKKQIEELKGQE

VSPKVYFMKQTIGNSCGTIGLIHAVANNQDKLGFEDGSVLKQFLSETEKMSPEDRAKCFEKNEAIQAAHDAVAQ EGQCRVDDKVNFHFILFNNVDGHLYELDGRMPFPVNHGASSEDTLLKDAAKVCREFTEREQGEVRFSAVALCK

AALEHHHHHH

Application Note

Endotoxin : Less than $0.1 \text{ ng}/\tilde{A} \square \hat{A} \mu g$ (1 IEU/ $\tilde{A} \square \hat{A} \mu g$) as determined by LAL test.