

## Recombinant Human UCHL3 Protein (E2-A230), His tagged

Cat. No. UCHL3-0361H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human 6His-TEV-GG-UCHL3(E2-A230 end) Protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	E2-A230
<b>Description</b>	Deubiquitinating enzyme (DUB) that controls levels of cellular ubiquitin through processing of ubiquitin precursors and ubiquitinated proteins. Thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of either ubiquitin or NEDD8. Has a 10-fold preference for Arg and Lys at position P3", and exhibits a preference towards 'Lys-48'-linked ubiquitin chains. Deubiquitinates ENAC in apical compartments, thereby regulating apical membrane recycling. Indirectly increases the phosphorylation of IGFIR, AKT and FOXO1 and promotes insulin-signaling and insulin-induced adipogenesis. Required for stress-response retinal, skeletal muscle and germ cell maintenance. May be involved in working memory. Can hydrolyze UBB(+1), a mutated form of ubiquitin which is not effectively degraded by the proteasome and is associated with neurogenerative disorders.
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per µg of the protein

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<b>Purity</b>	90%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
<b>Shipping</b>	It is shipped out with blue ice.

## GENE INFORMATION

<b>Gene Name</b>	UCHL3 ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase) [ Homo sapiens (human) ]
<b>Official Symbol</b>	UCHL3
<b>Synonyms</b>	UCHL3; ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase); ubiquitin carboxyl-terminal hydrolase isozyme L3; ubiquitin thiolesterase; ubiquitin thioesterase L3; UCH-L3;
<b>Gene ID</b>	7347
<b>mRNA Refseq</b>	NM_006002
<b>Protein Refseq</b>	NP_005993
<b>MIM</b>	603090

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UniProt ID

P15374

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