

Active Recombinant Full Length Mouse Uchl1 Protein, His-tagged

Cat. No. Uchl1-7361M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Uchl1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	1-223 a.a.
Description	Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins (Probable). This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity.
Form	Liquid
Molecular Mass	27.2 kDa
AA Sequence	MGSSHHHHHSSGLVPRGSHMGSMQLKPMEINPEMLNKLAKLG VAGQWRFADV LGL EEETLGSVSPACALLLLFPLTAQHENFRKKQIEELKGQEVSPKVFYFMKQTIGNS CGTIGLIHAVANNQDKLEFEDGSVLKQFLSETEKLSPEDRAKCFEKNEAIQAAHDSVA QEGQCRVDDKVNHFHILFNNVDGHL YELDGRMPFPVNHGASSED SLLQDAAKVCR EFTEREQGEVRFSAVALCKAA

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Purity	> 90 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	1.0 mg/mL (determined by bradford assay)
Storage Buffer	Phosphate buffered saline containing 10 % glycerol, 1 mM DTT.
Bio-activity	Specific activity is > 80pmol/min/ug, and is defined as the amount of enzyme that hydrolysis 1.0pmole of ubiquitin-AMC per minute at pH 7.5, at 37C

GENE INFORMATION

Gene Name	Uchl1 ubiquitin carboxy-terminal hydrolase L1 [Mus musculus (house mouse)]
Official Symbol	Uchl1
Synonyms	Uchl1; ubiquitin carboxy-terminal hydrolase L1; gad; PGP9; C88048; PGP9.5; R75593; UCH-L1; UCHL-1; PGP 9.5; AW822034; ubiquitin carboxyl-terminal hydrolase isozyme L1; gracile axonal dystrophy; neuron cytoplasmic protein 9.5; protein gene product 9.5; ubiquitin thioesterase L1; EC 3.4.19.12
Gene ID	22223
mRNA Refseq	NM_011670
Protein Refseq	NP_035800

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UniProt ID

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