

Product datasheet for AR09812PU-L

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UCHL3 (1-230, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: UCHL3 (1-230, His-tag) human recombinant protein, 0.5 mg

Species: Human **Expression Host:** E. coli

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MEGQRWLPLE ANPEVTNQFL KQLGLHPNWQ FVDVYGMDPE LLSMVPRPVC AVLLLFPITE KYEVFRTEEE EKIKSQGQDV TSSVYFMKQT ISNACGTIGL IHAIANNKDK or AA Sequence:

> MHFESGSTLK KFLEESVSMS PEERARYLEN YDAIRVTHET SAHEGQTEAP SIDEKVDLHF IALVHVDGHL YELDGRKPFP INHGETSDET LLEDAIEVCK KFMERDPDEL RFNAIALSAA

Tag: His-tag

Predicted MW: 28.3 kDa

Concentration: lot specific

>95% **Purity:**

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

Bioactivity: Specific: >3,000 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at

37°C

Preparation: Liquid purified protein **Applications:** Protocol: Activity Assay

> 1. Prepare a 100 ul of recombinant UCHL3 protein with various concentrations (0.48ng, 0.9ng) in assay buffer and equilibrate to 37°C for 10 minutes. (Assay buffer: 50mM Tris-HCl,

0.5 mM EDTA, 1 mM DTT, 0.1 mg/ml Ovalbumin, pH 8.0.)

2. Add 50 ul of 1uM Ubiquitin-AMC.

3. Read at excitation wavelengths 355nm and emission 460nm for 5 minutes.

- Ubiquitin-AMC (Enzo, Cat.No, BML-SE211)

- 96 Well Polystyrene Microplate, black (greiner bio-one, Cat.No, 655077)

- Fluorescent plate reader (PerkinElmer, VICTOR X3)

Protein Description: Recombinant human UCHL3, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventional chromatography techniques.





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Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001257881

Locus ID: 7347

UniProt ID: <u>P15374</u>, <u>A0A087WTB8</u>

Cytogenetics: 13q22.2 Synonyms: UCH-L3

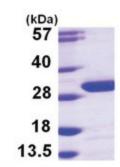
Summary: The protein encoded by this gene is a member of the deubiquitinating enzyme family.

Members of this family are proteases that catalyze the removal of ubiquitin from

polypeptides and are divided into five classes, depending on the mechanism of catalysis. This protein may hydrolyze the ubiquitinyl-N-epsilon amide bond of ubiquitinated proteins to regenerate ubiquitin for another catalytic cycle. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Aug 2012]

Protein Families: Druggable Genome, Protease

Product images:



15% SDS-PAGE (3ug)