

### Recombinant human UCHL3 protein ab103502

#### 1 图像

#### 描述

##### 产品名称

重组人UCHL3蛋白

##### 生物活性

Specific activity: >3,000 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.

##### Activity Assay:

Prepare a 100ul of recombinant UCH-L3 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.)

Add 50ul of 1uM Ubiquitin-AMC.

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

- Ubiquitin-AMC

- 96 Well Polystyrene Microplate, black

- Fluorescent plate reader (PerkinElmer, VICTOR X3)

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##### 纯度

> 95 % SDS-PAGE.

ab103502 purified by using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.

##### 表达系统

Escherichia coli

##### Accession

**P15374**

##### 蛋白长度

Full length protein

##### 无动物成分

No

##### 性质

Recombinant

##### 种属

Human

##### 序列

MGSSHHHHHHSSGLVPRGSHMEGQRWLPLEANPEVTNQFL  
KQLGLHPNWQ

FVDVYGMPELLSMVPRPVCAVLLLPITEKYEVFRTEEEEK  
IKSQGQDV  
TSSVYFMKQTISNACGTIGLIHAIANNKDKMHFESGSTLKKF  
LEESVSMS  
PEERARYLENYDAIRVTHETSAHEGQTEAPSIDEKVDLHFIA  
LVHVDGHL  
YELDGRKFPFPINHGETSDETLLEDAIEVCKKFMERDPDELRF  
NAIALSAA

预测分子量	28 kDa including tags
氨基酸	1 to 230
标签	His tag N-Terminus

## 技术指标

Our **Abpromise guarantee** covers the use of **ab103502** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Functional Studies SDS-PAGE
质谱法	MALDI-TOF
形式	Liquid

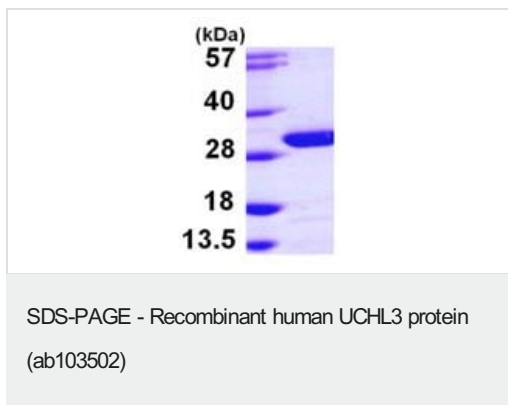
## 制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol This product is an active protein and may elicit a biological response in vivo, handle with caution.
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## 常规信息

功能	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". 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.
组织特异性	Highly expressed in heart, skeletal muscle, and testis.
序列相似性	Belongs to the peptidase C12 family.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Cytoplasm.

## 图片



15% SDS-PAGE analysis of 3µg ab103502.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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