

### Recombinant human UCHL3 protein ab103502

画像数 1

#### 製品の詳細

製品名	Recombinant human UCHL3 protein
生理活性	<p>Specific activity: &gt;3,000 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.</p> <p><b>Activity Assay:</b></p> <p>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.)</p> <p>Add 50ul of 1uM Ubiquitin-AMC.</p> <p>Read at excitation wavelengths 355nm and emission 460nm for 5 minutes.</p> <ul style="list-style-type: none"> <li>- Ubiquitin-AMC</li> <li>- 96 Well Polystyrene Microplate, black</li> <li>- Fluorescent plate reader (PerkinElmer, VICTOR X3)</li> </ul> <p>Specific activity: &gt;3,000 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.</p> <p><b>Activity Assay:</b></p> <p>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.)</p> <p>Add 50ul of 1uM Ubiquitin-AMC.</p> <p>Read at excitation wavelengths 355nm and emission 460nm for 5 minutes.</p> <ul style="list-style-type: none"> <li>- Ubiquitin-AMC</li> <li>- 96 Well Polystyrene Microplate, black</li> <li>- Fluorescent plate reader (PerkinElmer, VICTOR X3)</li> </ul>
精製度	<p>&gt; 95 % SDS-PAGE.</p> <p>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.</p>
発現系	Escherichia coli
アクセッション番号	<b>P15374</b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<p><b>MGSSHHHHHHSSGLVPRGSHMEGQRWLPLEANPEVTNQFL</b></p> <p><b>KQLGLHPNWQ</b></p>

FVDVYGMPELLSMVPRPVCAVLLLPITEKYEVFRTEEEEK  
IKSQGQDV  
TSSVYFMKQTISNACGTIGLIHAIANNKDKMHFESGSTLKKF  
LEESVSMS  
PEERARYLENYDAIRVTHETSAHEGQTEAPSIDEKVDLHFIA  
LVHVDGHL  
YELDGRKFPFPINHGETSDETLLEDAIEVCKKFMERDPDELRF  
NAIALSAA

予測される分子量	28 kDa including tags
領域	1 to 230
タグ	His tag N-Terminus

## 特性

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.

アプリケーション	Functional Studies SDS-PAGE
質量分析	MALDI-TOF
製品の状態	Liquid

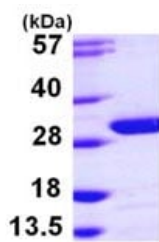
## 前処理および保存

保存方法および安定性	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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## 関連情報

機能	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.
組織特異性	Highly expressed in heart, skeletal muscle, and testis.
配列類似性	Belongs to the peptidase C12 family.
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR.
細胞内局在	Cytoplasm.

## 画像



15% SDS-PAGE analysis of 3µg ab103502.

SDS-PAGE - Recombinant human UCHL3 protein  
(ab103502)

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

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