

Recombinant human UCH37 protein ab108375

1 Image

Description

Product name	Recombinant human UCH37 protein
Biological activity	<p>Specific activity: > 500 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.</p> <p>Activity Assay:</p> <p>Prepare a 100ul of recombinant UCH-L5 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 1µM Ubiquitin-AMC.</p> <p>Read at excitation wavelengths 355nm and emission 460nm for 5 minutes.</p> <ul style="list-style-type: none"> - Ubiquitin-AMC - 96 Well Polystyrene Microplate, black - Fluorescent plate reader (PerkinElmer, VICTOR X3) <p>Specific activity: > 500 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.</p> <p>Activity Assay:</p> <p>Prepare a 100ul of recombinant UCH-L5 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 1µM Ubiquitin-AMC.</p> <p>Read at excitation wavelengths 355nm and emission 460nm for 5 minutes.</p> <ul style="list-style-type: none"> - Ubiquitin-AMC - 96 Well Polystyrene Microplate, black - Fluorescent plate reader (PerkinElmer, VICTOR X3)
Purity	<p>> 90 % SDS-PAGE.</p> <p>ab108375 is purified using conventional chromatography techniques.</p>
Expression system	Escherichia coli
Accession	<u>Q9Y5K5</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MGSSHHHHHHSSGLVPRGSHMTGNAGEWCLMESDPG</p> <p>VFTELIKGFGRGA</p>

QVEEWSLEPENFEKLKPVHGLIFLFWQPGEEPAGSVV
QDSRLDTIFFA
KQVINNACATQAIVSVLLNCTHQDVHLGETLSEFKEFSQS
FDAAMKGLAL
SNSDVIRQVHNSFARQQMFEDTKTSAKEEDAFHFVSYV
PVNGRLYELDG
LREGPIDLGACNQDDWISAVRPVIEKRIQKYSEGEIRFNLN
AMSDRKMI
YEQKIAELQRQLAEEEPMDTDQGNSMLSAIQSEVAKNQM
LIEEEVQKLKR
YKIENIRRKHNYLPFIMELLKTLAEHQQLIPLVEKAKEKQNA
KKAQETK

Predicted molecular weight	40 kDa including tags
Amino acids	1 to 329
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab108375** in the following tested applications.

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

Applications	SDS-PAGE Functional Studies
Mass spectrometry	MALDI-TOF
Form	Liquid

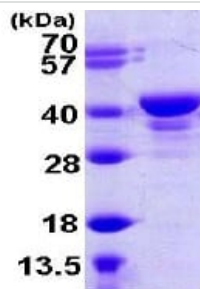
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.00174% PMSF, 0.077% DTT, 0.316% Tris HCl, 0.0584% EDTA, 30% Glycerol (glycerin, glycerine), 1.16% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Protease that specifically cleaves 'Lys-48'-linked polyubiquitin chains. Deubiquitinating enzyme associated with the 19S regulatory subunit of the 26S proteasome.
Sequence similarities	Belongs to the peptidase C12 family.
Cellular localization	Cytoplasm. Nucleus. Associates with the proteasome 19S subunit in the cytoplasm. Associates with the INO80 complex in the nucleus.

Images



15% SDS-PAGE analysis of ab108375 (3µg)

SDS-PAGE - Recombinant human UCH37 protein
(ab108375)

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

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