

Product datasheet

Human Ubiquitin peptide ab206167

2 Images

Description

Product name	Human Ubiquitin peptide
Purity	> 95 % SDS-PAGE. >95% by RP-HPLC
Expression system	Synthetic
Animal free	No
Nature	Synthetic
Species	Human
Predicted molecular weight	9 kDa

Specifications

Our [Abpromise guarantee](#) covers the use of **ab206167** in the following tested applications.

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

Applications	Functional Studies Mass Spectrometry HPLC SDS-PAGE
Form	Liquid
Additional notes	Dilute stock solution into required buffer. Typical reaction concentrations vary from 0.1 - 1 µM.

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Store In the Dark. Constituents: 0.24% Tris, 0.87% Sodium chloride, 0.02% Beta mercaptoethanol, 10% Glycerol
------------------------------	---

General Info

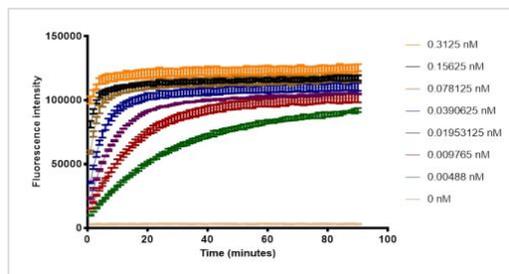
Relevance	Function: Ubiquitin exists either covalently attached to another protein, or free (unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond either as a monomer
------------------	---

(monoubiquitin), a polymer linked via different Lys residues of the ubiquitin (polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin (linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-6-linked may be involved in DNA repair; Lys-11-linked is involved in ERAD (endoplasmic reticulum-associated degradation) and in cell-cycle regulation; Lys-29-linked is involved in lysosomal degradation; Lys-33-linked is involved in kinase modification; Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, DNA-damage responses as well as in signaling processes leading to activation of the transcription factor NF-kappa-B. Linear polymer chains formed via attachment by the initiator Met lead to cell signaling. Ubiquitin is usually conjugated to Lys residues of target proteins, however, in rare cases, conjugation to Cys or Ser residues has been observed. When polyubiquitin is free (unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling. Similarity: Belongs to the ubiquitin family. Contains 3 ubiquitin-like domains.

Cellular localization

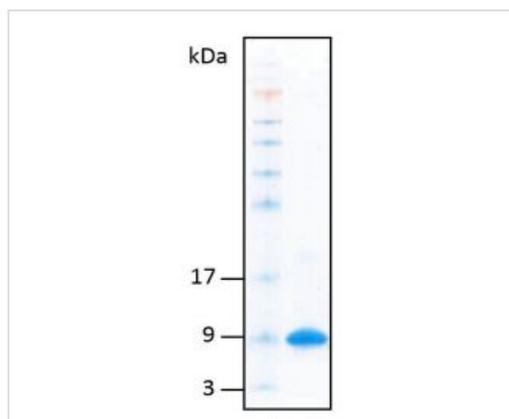
Cell Membrane, Cytoplasmic and Nuclear

Images



Activity assay of ab206167 (100 nM) with varying concentrations UCH-L3 (5 - 313 pM).

Functional Studies - Human Ubiquitin peptide (ab206167)



SDS-PAGE analysis of ab206167, Coomassie-stained.

SDS-PAGE - Human Ubiquitin peptide (ab206167)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors