

## Product datasheet

# Recombinant Ubiquitin protein (AMCA) ab123748

### 製品の概要

製品名	Recombinant Ubiquitin protein (AMCA)
タンパク質長	Protein fragment

### 製品の詳細

由来	Recombinant
由来	Synthetic
アミノ酸配列	
標識	AMCA. Ex: 350nm, Em: 445nm

### 特性

Our [Abpromise guarantee](#) covers the use of **ab123748** 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	HPLC
	Functional Studies

精製度	70 - 90% by HPLC. ab123748 is prepared by the C-terminal derivatisation of ubiquitin with 7-amino-4-methylcoumarin. Purity is greater than 95% as determined by HPLC.
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製品の状態	Liquid
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### 前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Constituent: 99% DMSO
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### 関連情報

関連性	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
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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.

## 細胞内局在

Cell Membrane, Cytoplasmic and Nuclear

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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