

Ubiquitin-AMC recombinant protein
Ubiquitin-Aminomethylcoumarin
Catalog # PBV10432r**Specification**

Ubiquitin-AMC recombinant protein - Product info

Concentration	1 (DMSO)
Calculated MW	8.6 Kda KDa

Ubiquitin-AMC recombinant protein - Additional Info**Other Names**

Ubiquitin-Aminomethylcoumarin

Gene Source	Human
Assay&Purity	;
Assay2&Purity2	HPLC; ≥95%
Recombinant	Yes

Format

Liquid

Storage

-80°C; A solution in DMSO (1 mg/ml)

Ubiquitin-AMC recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Ubiquitin-AMC recombinant protein - Images**Ubiquitin-AMC recombinant protein - Background**

Prepared by the C-terminal derivatisation of ubiquitin with 7-amino-4-methylcoumarin. Acts as a useful and sensitive fluorogenic substrate for a wide range of deubiquitylating enzymes (DUBs), including ubiquitin C-terminal hydrolases (UCHs) and ubiquitin specific proteases (USPs). Ubiquitin-AMC has been shown to be a sensitive substrate for UCH-L3 ($K_m = 0.039 \mu M$) and for Isopeptidase-T ($K_m = 0.17-1.4 \mu M$), as well as for studying deubiquitylating activity where detection sensitivity or continuous monitoring of activity is essential.