

Biotin-Ub-PA

Catalog No.: RP10243D

Sequence Information

Species	Gene ID	Swiss Prot
Human		P0CG47

Tags

No Tag

Synonyms

Ub

Product Information

Source	Purification
Chemical synthesis	≥95% by RP-HPLC

Endotoxin

Formulation

powder, no buffer

Reconstitution

Background

Biotin-Ub-PA is a newly developed potent and specific inhibitor of deubiquitinating enzymes (DUBs), which has a N-terminal biotin tag. An aminohexanoic acid (Ahx) linker is used to create extra space between the biotin and Ub protein for efficient access of the biotin binding entity. This activity probe can be used for activity profiling experiments and determining DUB inhibitor specificity. It has two unique capabilities: it forms a covalent linkage with the active site Cys residue of a DUB that can be cleaved by acid treatment (5% aq. TFA), allowing for proteomic analyses. Biotin-Ub-PA targets all three major DUB families: UCH, USP and OTU

Basic Information

Description

Bio-Activity

Storage

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

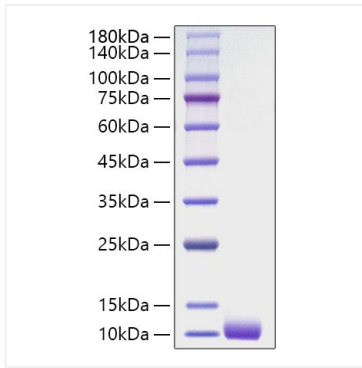
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Validation Data



Biotin-Ub-PA was determined by SDS-PAGE with Coomassie Blue, showing a band at 9 kD.