

# Ubiquitin - Biotinylated (all lysines unmodified)

<b>CATALOG #:</b>	7551-50	50 µg
<b>ALTERNATE NAMES:</b>	UBB, Ribosomal Protein S27a, CEP80, UBA80, UBCEP1, UBCEP80, HUBCEP80, RPS27A.	
<b>PURITY:</b>	≥ 90% by RP-HPLC	
<b>MOL. WEIGHT:</b>	9.106 kDa	
<b>SOLUBILITY:</b>	> 8 mg/ml	
<b>FORM:</b>	Liquid	
<b>FORMULATION:</b>	In PBS	
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -80°C. Avoid repeated freezing and thawing cycles.	

**DESCRIPTION:**

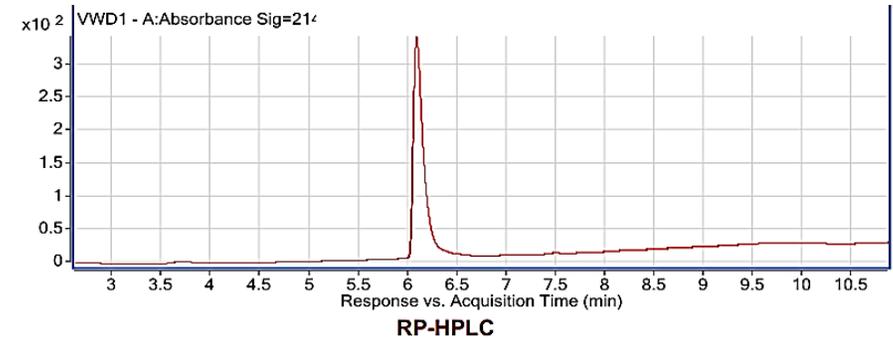
Post-translational modification of proteins by ubiquitin (Ub) is a key regulatory process that impacts almost all cellular functions. Ubiquitylation occurs through isopeptide linkage between the C-terminus of Ub and the ε-amino group of a lysine (Lys) residue on the target substrate. Ub itself has seven Lys residues (6, 11, 27, 29, 33, 48, and 63), any of which can participate in further ubiquitylation, generating polyUb chains. BioVision's biotinylated ubiquitin carries a single biotin molecule attached at a defined location and unlike other biotinylated ubiquitins, avoids modification of the N-terminus, C-terminus or any of the seven Lys side chains. Therefore, this biotinylated ubiquitin has all lysines available for conjugation and can be incorporated into polyubiquitin chains of any linkage type.

**APPLICATIONS:**

- In vitro ubiquitin conjugation
- Determination of the activity of ubiquitin conjugating enzymes

**BENEFITS:**

- Unmodified N-terminus & C-terminus
- All seven lysine residues are available for conjugation and can be incorporated into polyubiquitin chains of any linkage type



Ubiquitin-Biotinylated

**RELATED PRODUCTS:**

- Ubiquitin-AMC (**Cat. No. 4842-25**)
- Ubiquitin Aldehyde (**Cat. No. 4845-50**)
- Ubiquitin-Rhodamine (**Cat. No. 6411-50**)
- Ubiquitin-Fluorescein-labeled (FLR-Ub) (**Cat. No. 7552-50**)
- Ubiquitin-TAMRA-labeled (TMR-Ub) (**Cat. No. 7553-50**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**