

# Recombinant Human APPBP1&UBA3 protein

Catalog No.: RP10088LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	8883&9039	Q13564&Q8TBC4

### Tags

His Tag

### Synonyms

APPBP1 (NAE1;HPP1; ula-1; A-116A10.1);  
UBA3 (UBE1C; hUBA3; MGC22384;  
DKFZp566j164)

## Product Information

Source	Purification
<i>E. coli</i>	~95% by SDS-PAGE

### Endotoxin

### Formulation

20 mM Tris, 150 mM NaCl, 2 mM  $\beta$ ME,  
10% Glycerol

### Reconstitution

## Background

APPBP1/UBA3 is the heterodimeric E1 enzyme that conjugates Nedd8 to protein substrates. Nedd8 is conjugated onto the catalytic cysteine residue of UBA3 by formation of a thioester bond in an ATP-dependent reaction. The activated Nedd8 is then passed on to an E2 (Ubc12) to be finally attached to a substrate. Nedd8 is mainly conjugated on Cullins to increase the activity of the Cullin - RING E3 Ub ligases.

## Basic Information

### Description

### Bio-Activity

### Storage

This product is stable at  $\leq -70^{\circ}\text{C}$  for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze/thaw cycles.

## Contact

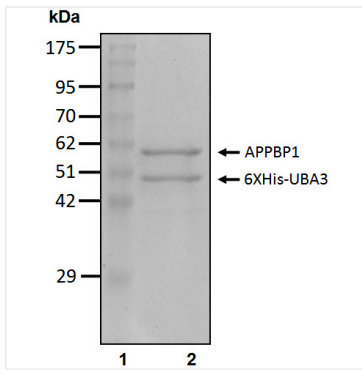
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## Validation Data

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Recombinant human APPBP1&UBA3 protein was determined by SDS-PAGE with Coomassie Blue.