9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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RPS27A Human, Biotin

Ubiquitin Biotinylated Human Recombinant
RCP1921

Product Overview

Name	RPS27A Human, Biotin

Description

Ubiquitin Biotinylated Human Recombinant

Accession (Primary)	P62988

Synonyms

Ubiquitin, Ribosomal Protein S27a, CEP80, UBA80, UBCEP1, UBCEP80, HUBCEP80, RPS27A.

Introduction

Recombinant Human Ubiquitin having the accession number of P62988 was conjugated to Biotin. RPS27A is a small protein composed of 76 amino acids. RPS27A is found only in eukaryotic organisms among which shows strong sequence conservation. The RPS27A protein is present in all cell types, thus giving rise to its name. RPS27A is found either in free form or conjugated to proteins through a covalent bond between the glycine at the C-terminal end and the side chains of lysine. The connection of multiple copies of RPS27A targets the proteins for degradation by the 26S proteosome. RPS27A ligation is an ATP-dependent multi-step process. RPS27A is activated by the E1 enzyme. The attachment of RPS27A to the target protein is catalyzed by the E2 enzyme acting in concert with E3 which is involved in the recognition of the substrate protein.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless liquid formulation.

Formulation

The RPS27A is supplied in 1x PBS and 0.05% PBS.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

RPS27A Protein biotinilation is determined by Western Blotting and ELISA analysis using streptavidin–HRP conjugated as a detection reagent. Free biotin is eliminated by dialysis against PBS. Protein concentration is determined by 280nm absorbance.

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Precautions

RPS27A Human, Biotin is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P62988)