Datasheet for ABIN7198573

UBE2A Protein (His tag)

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Overview

Quantity:	100 µg
Target:	UBE2A (ube2a)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBE2A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human UBE2A Protein (His Tag)
Sequence:	Met 1-Cys 152
Characteristics:	A DNA sequence encoding the mature form of human UBE2A (P49459) (Met 1-Cys 152) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.

Target Details

Target:	UBE2A (ube2a)
Alternative Name:	UBE2A (ube2a Products)
Background:	Background: Ubiquitin-conjugating enzyme E2 A (also known as HHR6A or UBE2A); encoded by human DNA repair genes HHR6A; belongs to the ubiquitin-conjugating enzymes (E2 enzymes) family and is likely to be involved in postreplication repair and induced mutagenesis. UBE2A is described as a CDK2 substrate. It is the human homologue of the product of the

Target Details

	Saccharomyces cerevisiae RAD6 / UBC2 gene; a member of the family of ubiquitin-conjugating enzymes. In vivo; HHR6A phosphorylation peaks during the G2/M phase of cell cycle transition; with a concomitant increase in histone H2B ubiquitylation. Mutation of Ser120 to threonine or alanine abolished UBE2A activity; while mutation to aspartate to mimic phosphorylated serine increased UBE2A activity 3-fold. A mutation of UBE2A is consisdered as the cause of a novel X-linked mental retardation (XLMR) syndrome that affects three males in a two-generation family. Synonym: Ubiquitin-Conjugating Enzyme E2 A; RAD6 Homolog A; HR6A; hHR6A; Ubiquitin Carrier Protein A; Ubiquitin-Protein Ligase A; UBE2A; RAD6A
Molecular Weight:	19.2 kDa
UniProt:	P49459

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, 20 % glycerol, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.