
Product Data Sheet

Product Name: UBE2A Human
 Cat. No.: GP22343
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HHR6A; HR6A; RAD6A; UBC2; UBE2A; EC=6.3.2.19; Ubiquitin-conjugating enzyme E2 A; Ubiquitin-protein ligase A; Ubiquitin carrier protein A; RAD6 homolog A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSTPARRRLM RDFKRLQEDP PAGVSGAPSE NNIMVWNAVI FGPEGTPFED GTFKLTIEFT EEYPNKPPTV RFVSKMFHPN VYADGSICLD ILQNRWSPTY DVSSILTSIQ SLLDEPNPNS PANSQAAQLY QENKREYEKR VSAIVEQSWR DC.		
Formulation	UBE2A Human solution containing 20mM Tris HCl pH-8, 1mM DTT, 1mM EDTA and 20% glycerol.		

Introduction

The alteration of proteins with ubiquitin is a vital cellular mechanism for targeting atypical or short-lived proteins for degradation. Ubiquitination involves not less than three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. UBE2A is part of the E2 ubiquitin-conjugating enzyme family. UBE2A is necessary for post-replicative DNA damage repair. UBE2A catalyzes the covalent attachment of ubiquitin to other proteins. UBE2A is necessary for postreplication repair of UV-damaged DNA.

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). Avoid multiple freeze-thaw cycles.

Background

UBE2A Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 172 amino acids (1-152 a.a.) and having a molecular mass of 19.4 kDa. UBE2A protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography.

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