
Product Data Sheet

Product Name: UBE2G Human
 Cat. No.: GP22354
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	E217K; UBC7; UBE2G; Ubiquitin-conjugating enzyme E2 G1; E2ubiquitin-conjugating enzyme G1; E217K; UBC7; Ubiquitin carrier protein G1; Ubiquitin-proteinligase G1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMTLQSA LLLRRQLAEL NKNPVEGFSA GLIDDNDLYR WEVLIIGPPDTLYEGGVFKA HLTFPKDYPL RPPKMKFITE IWHPNVDKNG DVCISILHEP GEDKYGYEKP EERWLPIHTVETIMISVISM LADPNGDSPA NVDAAKEWRE DRNGEFKRKV ARCVRKSQET AFE.		
Formulation	UBE2G protein solution (0.5mg/ml) containing Phosphatebuffered saline, (pH7.4) 30% glycerol and 1mM DTT.		

Introduction

Protein modification with ubiquitin is an essential cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least 3 classes of enzymes: ubiquitin-activating enzymes (E1s) ubiquitin-conjugating enzymes (E2s) and ubiquitin-protein ligases (E3s). Ubiquitin-Conjugating Enzyme E2G (UBE2G1) belongs to the E2 ubiquitin-conjugating enzyme family and catalyzes the covalent attachment of ubiquitin to other proteins. UBE2G1 protein is involved in degradation of muscle-specific proteins.

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

UBE2G 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 193 amino acids (1-170 a.a) and having a molecular mass of 21.9kDa.UBE2G is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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