
Product Data Sheet

Product Name: UBE2H Human

Cat. No.: GP22356

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ubiquitin-conjugating enzyme E2 H; Ubch2; Ubiquitin carrier protein H; Ubiquitin-conjugating enzyme E2-20K; Ubiquitin-protein ligase H; UBE2H; GID3; UBC8; UBCH.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSSPSPG KRRMDTDVVK LIESKHEVTI LGGLNEFVVK FYGPQGTPYE GGWVKVRVDL PDKYPFKSPS IGFMNKIFHP NIDEASGTVC LDVINQWTA LYDLTNIFES FLPQLLAYPN PIDPLNGDAA AMYLHRPEEY KQKIKEYIQK YATEEALKEQ EEGTGDSSE SSMSDFSEDE AQDMEL.		
Formulation	The UBE2H solution (1mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT and 50mM NaCl.		

Introduction

Ubiquitin-conjugating enzyme E2 H (UBE2H) is a member of the ubiquitin-conjugating enzyme family. Protein modification with ubiquitin is a vital cellular apparatus for directing abnormal or short-lived proteins for degradation. Ubiquitination requires at least 3 classes of enzymes: ubiquitin-activating enzymes (E1s) ubiquitin-conjugating enzymes (E2s) and ubiquitin-protein ligases (E3s). UBE2H receives ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. UBE2H protein sequence is 100% identical to the mouse homolog and 98% identical to the frog and zebrafish homologs.

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.

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

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Background

UBE2H Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 206 amino acids (1-183) and having a molecular mass of 23.1kDa.UBE2H is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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