
Product Data Sheet

Product Name: UBE2R2 Human
 Cat. No.: GP22366
 Batch No.: 1

Product Data

| | | | |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | CDC34B; E2-CDC34B; UBC3B; Ubiquitin carrier protein R2; Ubiquitin-conjugating enzyme E2-CDC34B; Ubiquitin-protein ligase R2; Ubiquitin-conjugating enzyme E2R2; EC 6.3.2.19. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSMAQQQMT SSQKALMLEL KSLQEEPVEG FRITLVDESD LYNWEVAIFGPPNTLYEGGY FKAHIKFPID YPYSPTFRF LTKMWHPNYIY ENGDVCISIL HPPVDDPQSG ELPSEWNPQTQNVRTILLSV ISLLNEPNTF SPANVDASVM FRKWRDSKGG DKEYAEIIRK QVSATKAEAE KDGVKVPTTL AEYCIKTKVP SNDNSSDLLYDDLYDDDIDD EDEEEEDADC YDDDDSGNEE S | | |
| Formulation | UBE2R2 protein solution (0.25mg/ml) containing 20mMTris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. | | |

Introduction

Ubiquitin-conjugating enzyme E2 R2 (UBE2R2) is a member of the ubiquitin-conjugating enzyme family. Protein kinase CK2 is a ubiquitous and pleiotropic Ser/Thr protein kinase implicated in cell growth and transformation. This protein is a protein similar to the E2 ubiquitin conjugating enzyme UBC3/CDC34. Studies propose that CK2-dependent phosphorylation of this ubiquitin-conjugating enzyme functions by regulating beta-TrCP substrate recognition and induces its interaction with beta-TrCP, enhancing beta-catenin degradation. UBE2R2 receives ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes monoubiquitination and 'Lys-48'-linked polyubiquitination. UBE2R2 may be implicated in degradation of katenin. Among the diseases associated with UBE2R2 are cblc, and herpes simplex.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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

UBE2R2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 261 amino acids (1-238 a.a) and having a molecular mass of 29.6kDa (Molecular size on SDS-PAGE will appear higher).

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA