
Product Data Sheet

Product Name: UBE2F Human

Cat. No.: GP22353

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical Appearance solid

Shipping Condition Shipped with Ice Packs.

Synonyms Ubiquitin-conjugating enzyme E2F (putative); NEDD8 carrier protein UBE2F; NEDD8 protein ligase UBE2F; NEDD8-conjugating enzyme 2; NEDD8-conjugating enzyme UBE2F; NCE2; EC 6.3.2.-.

Amino Acid Sequence MGSSHHHHHH SGLVPRGSH MGSHTMLAS KLKRDDGLKG SRTAATASDS TRRVSVRDKL LVKEVAELEA NLPCTCKVHF PDPNKLHCFQ LTVTPDEGY Y QGGKFQFETE VPDAYNMVPP KVKCLTKIWH PNITETGEIC LLLREHSID GTGWAPRTL KDVVWGLNSL FTDLLNFDDP LNEAAEHHL RDKEDFRNKV DDYIKRYAR

Formulation The UBE2F solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 1mM DTT and 30% glycerol.

Introduction

Ubiquitin-conjugating enzyme E2 F (UBE2F) is a member of the ubiquitin-conjugating enzyme family and UBE2F subfamily. Ubiquitin-conjugating enzymes or sometimes as ubiquitin-carrier enzymes, run the second step in the ubiquitination reaction which targets a protein for degradation using the proteasome. The UBE2F receives the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. RBX2-UBE2F complex neddylates specific target proteins, for example CUL5 as can be seen from the specific interaction with the E3 ubiquitin ligase RBX2, but not RBX1.

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

UBE2F Human Recombinant produced in E. coli is a single polypeptide chain containing 209 amino acids (1-185) and having a molecular mass of 23.7 kDa. UBE2F is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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