

UBE2D4 Human

Description: UBE2D4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 167 amino acids (1-147) and having a molecular mass of 18.8 kDa. UBE2D4 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:ENPS-186

For research use only.

Synonyms: Ubiquitin-conjugating enzyme E2D 4 (putative), UBCH5D, HBUCE1, Ubiquitin carrier protein D4, Ubiquitin-protein ligase D4, EC 6.3.2.19.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MALKRIQKEL TDLQRDPPAQ
CSAGPGVDDL FHWQATIMGP NDSPYQGGVF FLTIFPTDY PFKPPKVAFT TKIYHPNINS
NGSICLDILR SQWSPALTTS KVLLSICSL CDPNPDDPLV PEIAHTYKAD REKYNRLARE
WTQKYAM

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The SRGN solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.1M NaCl and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

UBE2D4 is a member of the ubiquitin-conjugating enzyme family. Ubiquitin-conjugating enzymes (E2 enzymes or ubiquitin-carrier enzymes) execute the second step in the ubiquitination reaction which marks a protein for degradation using the proteasome. UBE2D4 receives ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro UBE2D4 can promote polyubiquitination using all 7 ubiquitin Lys residues, but usually selects 'Lys-11' and 'Lys-48'-linked polyubiquitination.

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