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UBE2K Human

Catalog #:ENPS-346

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Description:UBE2K produced in E.Coli is a single, non-glycosylated polypeptide chain containing 236 amino acids (1-200a.a.) and having a molecular mass of 26.5kDa.UBE2K is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:HIP2, Huntingtin Interacting protein 2, HYPG, Ubiquitin-conjµgating enzyme E2-25K kDa, Ubiquitin-protein ligase, Ubiquitin carrier protein, LIG, HIP-2, E2(25K), DKFZp686J24237, OTTHUMP00000218440, EC 6.3.2.19.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMANI AVQRIKREFK EVLKSEETSK NQIKVDLVDE NFTELRGEIA GPPDTPYEGG RYQLEIKIPE TYPFNPPKVR FITKIWHPNI SSVTGAICLD ILKDQWAAAM TLRTVLLSLQ ALLAAAEPDD PQDAVVANQY KQNPEMFKQT ARLWAHVYAG APVSSPEYTK KIENLCAMGF DRNAVIVALS SKSWDVETAT EL

Purity: Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:
The UBE2K protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH7.5) 1mM DTT, 50mM NaCl, and 10% glycerol.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY.They may not be used as drµgs,agricultural or pesticidal products, food additives or household chemicals.

Introduction:
UBE2K belongs to the ubiquitin-conjµgating enzymes family which take part in many cellular processes such as selective protein degradation, DNA repair, cell cycle control, and sporulation. In this mechanism, the ATP-coupled activation and subsequent ligation of ubiquitin are catalyzed by separate enzymes functionally linked by ubiquitin carrier protein UBC1. In addition, UBE2K is involved in Alzheimer's disease, Huntington's disease and antigen processing throµgh its interaction with amyloid-, huntingtin, and MHC-heavy chain proteins.

Storage:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.

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