www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

UBE2S Human

Description:UBE2S Human Recombinant fused with 36 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 258 amino acids (1-222 a.a.) and having a molecular mass of 27.9kDa.The UBE2S is purified by proprietary chromatographic techniques.

Catalog #:ENPS-451

For research use only.

Synonyms: Ubiquitin-conjµgating enzyme E2 S, Ubiquitin-protein ligase S, Ubiquitin carrier protein S, Ubiquitin-conjµgating enzyme E2-24 kDa, E2-EPF5, E2-EPF, UBE2S, E2EPF, EPF5.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNSN VENLPPHIIR LVYKEVTTLT ADPPDGIKVF PNEEDLTDLQ VTIEGPEGTP YAGGLFRMKL LLGKDFPASP PKGYFLTKIF HPNVGANGEI CVNVLKRDWT AELGIRHVLL TIKCLLIHPN PESALNEEAG RLLLENYEEY AARARLLTEI HGGAGGPSGR AEAGRALASG TEASSTDPGA PGGPGGAEGP MA

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The UBE2S solution contains 20mM Tris-HCl buffer (pH8.0), 1mM DTT and20% glycerolStabilityUBE2S althoµgh stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

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

Introduction:
Ubiquitin-conjµgating enzyme E2S (UBE2S) belongs to the ubiquitin-conjµgating enzyme family. UBE2S is able to form a thiol ester linkage with ubiquitin in a ubiquitin activating enzyme-dependent manner, a typical property of ubiquitin carrier proteins. UBE2S catalyzes the covalent attachment of ubiquitin to other proteins. UBE2S acts as a crucial factor of the anaphase promoting complex/cyclosome (APC/C), which is a cell cycle-regulated ubiquitin ligase that controls progression throµgh mitosis. UBE2S acts by purposely elongating 'Lys-11'-linked polyubiquitin chains initiated by the E2 enzyme UBE2C/UBCH10 on APC/C substrates, aµgmenting the degradation of APC/C substrates by the proteasome and promoting mitotic exit. UBE2S also acts by elongating ubiquitin chains initiated by the E2 enzyme UBE2D1/UBCH5 in vitro; it is nevertheless uncertain whether UBE2D1/UBCH5 acts as an E2 enzyme for the APC/C in vivo. UBE2S is also involved in ubiquitination and consequent degradation of VHL, resulting in an accumulation of HIF1A.

To place an order, please Click HERE.