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

UBE2D1 Human

Description:UBE2D1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 170 amino acids (1-147 a.a.) and having a molecular mass of 19kDa.UBE2D1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:ENPS-123

For research use only.

Synonyms: Ubiquitin-conjµgating enzyme E2 D1, Stimulator of Fe transport, SFT, UBC4/5 homolog, UbcH5, Ubiquitin carrier protein D1, Ubiquitin-conjµgating enzyme E2(17)KB 1, Ubiquitin-conjµgating enzyme E2-17 kDa 1, Ubiquitin-protein ligase D1, UBE2D1, SFT, UBC5A, U

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMALKRIQ KELSDLQRDP PAHCSAGPVG DDLFHWQATI MGPPDSAYQG GVFFLTVHFP TDYPFKPPKI AFTTKIYHPN INSNGSICLD ILRSQWSPAL TVSKVLLSIC SLLCDPNPDD PLVPDIAQIY KSDKEKYNRH AREWTQKYAM.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
UBE2D1 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol and 0.1M NaCl.

Stability:
UBE2D1 Human Recombinant althoµgh stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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:
UBE2D1 is a member of the ubiquitin-conjµgating enzyme family. Ubiquitination involves at least 3 classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjµgating enzymes (E2s) and ubiquitin-protein ligases (E3s). UBE2D1 is strongly related to a stimulator of iron transport (SFT), and is up-regulated in hereditary hemochromatosis. In addition, UBE2D1 functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases.

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