Product information

UBE2D1 1-147aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1074

Full name: Ubiquitin-conjugating enzyme E2D 1

NCBI Accession No.: NP_003329

Synonyms: SFT, UBC5A, UBCH5, UBCH5A

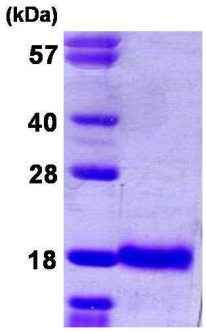
Description: UBE2D1 belongs to the ubiquitin-conjugating enzyme family. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. UBE2D1 is closely related to a stimulator of iron transport (SFT), and is up-regulated in hereditary hemochromatosis. It also 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. Recombinant human UBE2D1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.1M NaCl

Molecular Weight: 19.0 kDa (170aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMALKRIQ KELSDLQRDP PAHCSAGPVG DDLFHWQATI MGPPDSAYQG GVFFLTVHFP TDYPFKPPKI AFTTKIYHPN INSNGSICLD ILRSQWSPAL TVSKVLLSIC SLLCDPNPDD PLVPDIAQIY KSDKEKYNRH AREWTQKYAM

General references:

Windheim M., et al. (2008) *Biochem. J*. 409:723-729

Pabarcus M.K., et al. (2009) *Arch. Biochem. Biophys* 483:66-74

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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