Recombinant human UbcH5a/UBE2D1 protein

Catalog Number: ATGP1074

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-147aa

UniProt No.
P51668

NCBI Accession No.
NP_003329

Alternative Names
Ubiquitin conjugating enzyme E2 D1, SFT, Stimulator of Fe transport, Ubiquitin-conjugating enzyme E2D 1, "UBC4/5 homolog, yeast", UbcH5A, UBCH5, UBC4/5, E2(17)KB1

PRODUCT SPECIFICATION

Molecular Weight
19 kDa (170aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

Recombinant human UbcH5a/UBE2D1 protein

Catalog Number: ATGP1074

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.

Amino acid Sequence

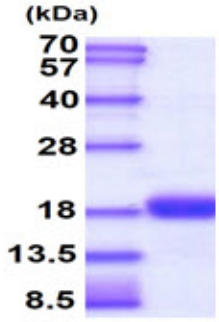
MGSSHHHHHH SSGLVPRGSH MGSMALKRIQ KELSDLQRDP PAHCSAGPVG DDLFHWQATI MGPPDSAYQG GVFFLTVHFP TDYPFKPPKI AFTTKIYHPN INSNGSICLD ILRSQWSPAL TVSKVLLSIC SLLCDPNPDD PLVPDIAQIY KSDKEKYNRH AREWTQKYAM

General References

Windheim M., et al. (2008) Biochem. J. 409:723-729
Pabarcus M.K., et al. (2009) Arch. Biochem. Biophys 483:66-74

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.