Recombinant human UbcH5c/UBE2D3 protein

Catalog Number: ATGP1270

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-149aa

UniProt No.
P61077

NCBI Accession No.
NP_871622

Alternative Names
Ubiquitin-conjugating enzyme E2 D3, E2 ubiquitin-conjugating enzyme D3, Ubiquitin carrier protein D3, Ubiquitin-conjugating enzyme E2(17)KB 3, Ubiquitin-conjugating enzyme E2-17 kDa 3, Ubiquitin-protein ligase D3, UBC5C, UBCH5C

PRODUCT SPECIFICATION

Molecular Weight
19 kDa (169aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

Purity
> 90% 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
UBE2D3, also known as ubiquitin-conjugating enzyme E2 D3. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. 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 enzyme functions in the ubiquitination of the tumor-suppressor

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protein p53, which is induced by an E3 ubiquitin-protein ligase. Recombinant human UBE2D3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

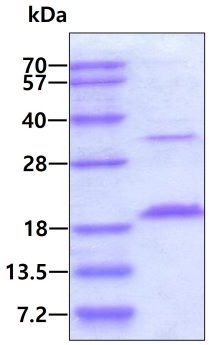
<MGSSHHHHHH SSGLVPRGSH> MLSNRKCLSK ELSDLARDPP AQCSAGPVGD DMFHWQATIM GPNDSPYQGG VFFLTIHFPT DYPFKPPKVA FTTRIYHPNI NSNGSICLDI LRSQWSPALT ISKVLLSICS LLCDPNPDDP LVPEIARIYK TDRDKYNRIS REWTQKYAM

General References

Gonen H., et al. (1999) J. Biol. Chem. 274:14823-14830
Murata S., et al. (2001) EMBO Rep. 2:1133-1138

DATA

SDS-PAGE



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