

Recombinant human Ubch5d/UBE2D4 protein

Catalog Number: ATGP1243

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-147aa

UniProt No.

Q9Y2X8

NCBI Accession No.

NP_057067

Alternative Names

Ubiquitin-conjugating enzyme E2 D4, E2 ubiquitin-conjugating enzyme D4, HBUCE1, Ubiquitin carrier protein D4, Ubiquitin-protein ligase D4

PRODUCT SPECIFICATION

Molecular Weight

18.8 kDa (167aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM 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

uBE2D4 belongs to the ubiquitin-conjugating enzyme family. ubiquitin-conjugating enzymes, also known as E2 enzymes and more rarely as ubiquitin-carrier enzymes, perform the second step in the ubiquitination reaction that targets a protein for degradation via the proteasome. uBE2D4 accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys-11' and 'Lys-48'-linked polyubiquitination. Recombinant human

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uBE2D4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MALKRIQKEL TDLQRDPPAQ CSAGPVGDDL FHWQATIMGP NDSFYQGGVF FLTIHFPTDY
PFKPPKVAFT TKIYHPNINS NGSICLDILR SQWSPALTVS KVLISCSLL CDPNPDDPLV PEIAHTYKAD REKYNRLARE
WTQKYAM

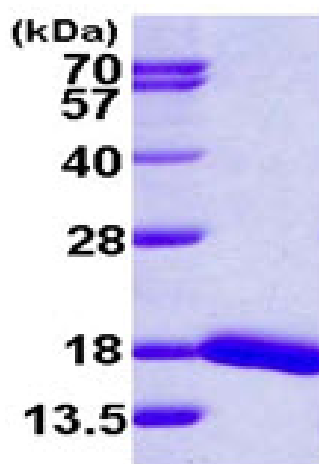
General References

David Y., et al. (2010) J. Biol. Chem. 285:8595-8604

Nandi, D, et al. (2006) Journal of biosciences 31 (1): 137-55.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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