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

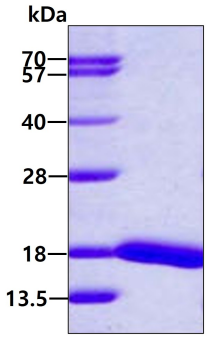
<MGSSHHHHHH SSGLVPRGSH> MALKRIQKEL TDLQRDPPAQ CSAGPVGDDL FHWQATIMGP NDSPYQGGVF FLTIHFPTDY PFKPPKVAFT TKIYHPNINS NGSICLDILR SQWSPALTVS KVLLSICSLL CDPNPDDPLV PEIAHTYKAD REKYNRLARE WTQKYAM

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



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