Recombinant human UbcH6/UBE2E1 protein

Catalog Number: ATGP1690

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-193aa

UniProt No.
P51965

NCBI Accession No.
NP_003332

Alternative Names
Ubiquitin-conjugating enzyme E2 E1, E2 ubiquitin-conjugating enzyme E1, UbcH6, Ubiquitin carrier protein E1, Ubiquitin-protein ligase E1

PRODUCT SPECIFICATION

Molecular Weight
23.8 kDa (216aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

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

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
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. uBE2E1 is a member of the E2 ubiquitin-conjugating enzyme family. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. Recombinant human uBE2E1 protein, fused to His-tag at N-

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terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

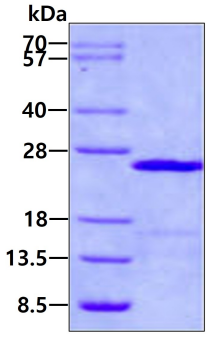
<MGSSHHHHHH SSGLVPRGSH MGS>MSDDDSR ASTSSSSSSS SNQQTEKETN TPKKKESKVS MSKNSKLLST SAKRIQKELA DITLDPPPNC SAGPKGDNIY EWRSTILGPP GSVYEGGVFF LDITFTPEYP FKPPKVTFRT RIYHCNINSQ GVICLDILKD NWSPALTISK VLLSICSLLT DCNPADPLVG SIATQYMTNR AEHDRMARQW TKRYAT

General References

Nuber u, et al. (1996). J Biol Chem. 271 (5): 2795-800.
Takeuchi T, et al. (2005). J. Biochem. 138 (6): 711-9.

DATA

SDS-PAGE



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