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

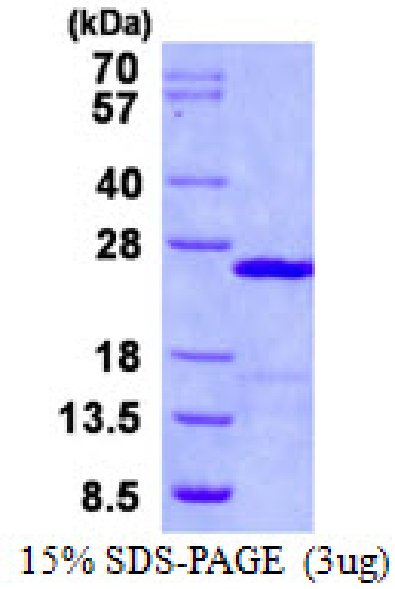
MGSSHHHHHH SSGLVPRGSH MGSMSDDDSR ASTSSSSSSS SNQQTEKETN TPKKKESKVS MSKNSKLLST SAKRIQKELA DITLDPPPNC SAGPKGDNIY EWRSTILGPP GSVYEGGVFF LDITFTPEYP FKPPKVTFRT RIYHCNINSQ GVICLDILKD NWSPALTISK VLLSICSLLT DCNPADPLVG SIATQYMTNR AEHDRMARQW TKRYAT

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.