Recombinant human Ubc13/UBE2N protein

Catalog Number: ATGP0993

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-152aa

UniProt No.
P61088

NCBI Accession No.
NP_003339

Alternative Names
Ubiquitin-conjugating enzyme E2 N, Bendless-like ubiquitin-conjugating enzyme, E2 ubiquitin-conjugating enzyme N, Ubc13, UbcH13, Ubiquitin carrier protein N, Ubiquitin-protein ligase N, BLU

PRODUCT SPECIFICATION

Molecular Weight
19.3 kDa (172aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

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
UBE2N, also known as UBC13, is a member of the E2 ubiquitin-conjugating enzyme family. It catalyzes the ATP-dependent synthesis of non-canonical polyubiquitin chains, a process that does not lead to proteasomal degradation. It mediates the transcription of several target genes and is thought to play a role in cell cycle progression; cellular differentiation and DNA repair mechanisms that ensure cell survival after DNA damage. Recombinant human UBE2N protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography.

Amino acid Sequence

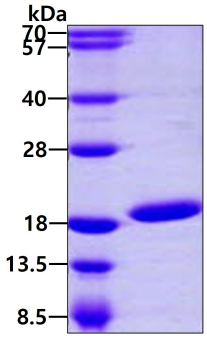
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General References

Yamaguchi T. et al. (1996) J Biochem., 120:494-497.
Yamamoto M. et al. (2006) Nat. Immunol. 7: 962-970.

DATA

SDS-PAGE



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