Recombinant human Ubc6/UBE2J2 protein

Catalog Number: ATGP1608

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-226aa

UniProt No.
Q8N2K1

NCBI Accession No.
NP_477515

Alternative Names
Uubiquitin-conjugating enzyme E2 J2 isoform 2, Ubiquitin-conjugating enzyme E2, J2, UBC6 homolog, yeast, Ubc6p, UBC6, NCUBE2, E2 ubiquitin-conjugating enzyme J2, Non-canonical ubiquitin-conjugating enzyme 2

PRODUCT SPECIFICATION

Molecular Weight
28kDa (250aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 1mM DTT, 200mM NaCl

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
uBE2J2, also known as ubiquitin-conjugating enzyme E2 J2, belongs to the ubiquitin-conjugating enzyme family. 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. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is located in the membrane of the

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endoplasmic reticulum. Recombinant human uBE2J2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

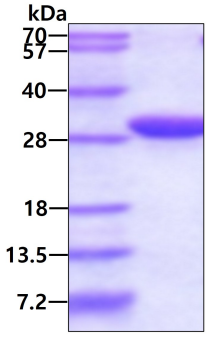
<MGSSHHHHHH SSGLVPRGSH MGSH>MSSTSS KRAPTTATQR LKQDYLRIKK DPVPYICAEP LPSNILEWHY VVRGPEMTPY EGGYYHGKLI FPREFPFKPP SIYMITPNGR FKCNTRLCLS ITDFHPDTWN PAWSVSTILT GLLSFMVEKG PTLGSIETSD FTKRQLAVQS LAFNLKDKVF CELFPEVVEE IKQKQKAQDE LSSRPQTLPL PDVVPDGETH LVQNGIQLLN GHAPGAVPNL AGLQQANRHH

General References

Wang X, et al. (2009) J Cell Biol. 187(5):655-68.
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.