Recombinant human UbcH2/UBE2H protein

Catalog Number: ATGP1508

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-183aa

UniProt No.
P62256

NCBI Accession No.
NP_003335

Alternative Names
Ubiquitin-conjugating enzyme E2 H, E2 ubiquitin-conjugating enzyme H, UbcH2, Ubiquitin carrier protein H, Ubiquitin-conjugating enzyme E2-20K, Ubiquitin-protein ligase H, UBCH, UBC8, GID3

PRODUCT SPECIFICATION

Molecular Weight
23.1 kDa (206aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 50mM 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
uBE2H (ubiquitin-conjugating enzyme E2 H) 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. uBE2H is Accepts ubiquitin from the E1 complex and

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catalyzes its covalent attachment to other proteins. Recombinant human uBE2H protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

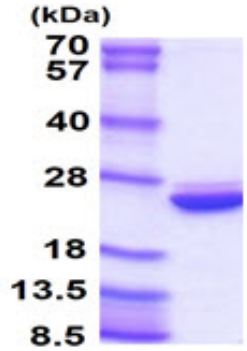
MGSSHHHHHH SSGLVPRGSH MGSMSSPSPG KRRMDTDVVK LIESKHEVTI LGGLNEFVVK FYGPQGTPYE GGVWKVRVDL PDKYPFKSPS IGFMNKIFHP NIDEASGTVC LDVINQTWTA LYDLTNIFES FLPQLLAYPN PIDPLNGDAA AMYLHRPEEY KQKIKEYIQK YATEEALKEQ EEGTGDSSSE SSMSDFSEDE AQDMEL

General References

Kaiser P., et al. (1994) J. Biol. Chem. 269:8797-8802
David Y., et al. (2010) J. Biol. Chem. 285:8595-8604

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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