Recombinant human E2-EPF/UBE2S protein

Catalog Number: ATGP0372

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-222aa

UniProt No.
Q16763

NCBI Accession No.
NP_055316.2

Alternative Names
Ubiquitin-conjugating enzyme E2S, E2-EPF, E2EPF, EPF5, Ubiquitin-conjugating enzyme S, UBE2S, Ubiquitin carrier protein S, Ubiquitin protein ligase S, Ubiquitin conjugating enzyme E2 24 kD, Ubiquitin conjugating enzyme E2S

PRODUCT SPECIFICATION

Molecular Weight
27.9 kDa (258aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT and 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
uBE2S, also known as ubiquitin-conjugating enzyme E2S, is a member of the ubiquitin-conjugating enzyme family. This protein is able to form a thiol ester linkage with ubiquitin in an ubiquitin activating enzyme-dependent manner, a characteristic property of ubiquitin carrier proteins. It catalyzes the covalent attachment of ubiquitin to other proteins. Recombinant uBE2S protein, fused to His-tag at N-terminus, was expressed in E. coli

and purified by using conventional chromatography techniques.

Amino acid Sequence

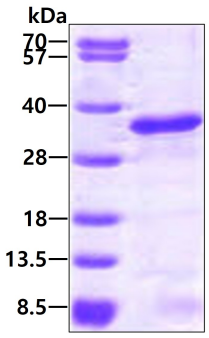
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>MNSN VENLPPHIIR LVYKEVTTLT ADPPDGIKVF PNEEDLTDLQ VTIEGPEGTP YAGGLFRMKL LLGKDFPASP PKGYFLTKIF HPNVGANGEI CVNVLKRDWT AELGIRHVLL TIKCLLIHPN PESALNEEAG RLLLENYEEY AARARLLTEI HGGAGGPSGR AEAGRALASG TEASSTDPGA PGGPGGAEGP MAKKHAGERD KKLAAKKKTD KKRALRRL

General References

Ye Y., et al. (2009) Nat Rev Mol Cell Biol. 10(11):755-64.
Windheim M., et al. (2008) Biochem J. 409(3):723-9.

DATA

SDS-PAGE



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