Recombinant human WBP2 protein

Catalog Number: ATGP1704

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-261aa

UniProt No.
Q969T9

NCBI Accession No.
NP_036610.2

Alternative Names
WW domain binding protein 2, WBP-2

PRODUCT SPECIFICATION

Molecular Weight
30.5 kDa (284aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
0.5mg/ml (determined by Bradford assay)

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

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
WBP2 (WW domain-binding protein 2) is a steroid hormone receptor coactivator. This protein contains 1 GRAM domain. The globular WW domain is composed of 38 to 40 semiconserved amino acids shared by proteins of diverse functions including structural, regulatory, and signaling proteins. The domain is involved in mediating protein-protein interactions through the binding of polyproline ligands. It binds to the WW domain of Yes kinase-associated protein (YAP1) by its PY motifs. The WW-binding 1 motif mediates interaction with NEDD4. Recombinant human WBP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

conventional chromatography techniques.

Amino acid Sequence

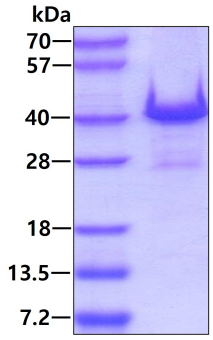
<MGSSHHHHHH SSGLVPRGSH MGS>MALNKNH SEGGGVIVNN TESILMSYDH VELTFNDMKN VPEAFKGTKK GTVYLTPYRV IFLSKGKDAM QSFMMPFYLM KDCEIKQPVF GANYIKGTVK AEAGGGWEGS ASYKLTFTAG GAIEFGQRML QVASQASRGE VPSGAYGYSY MPSGAYVYPP PVANGMYPCP PGYPYPPPPP EFYPGPPMMD GAMGYVQPPP PPYPGPMEPP VSGPDVPSTP AAEAKAAEAA ASAYYNPGNP HNVYMPTSQP PPPPYYPPED KKTQ

General References

Chen H.I., et al. (1997) J. Biol. Chem. 272:17070-17077
Pirozzi G., et al. (1997) J. Biol. Chem. 272:14611-14616

DATA

SDS-PAGE



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