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Recombinant human FBXO2 protein

Catalog Number: ATGP2752

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-296aa

UniProt No.
Q9UK22

NCBI Accession No.
NP_036300

Alternative Names
F-box only protein 2, FBG1, Fbs1, FBX2, NFB42, OCP1

PRODUCT SPECIFICATION

Molecular Weight
35.7 kDa (319aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Purity
> 80% 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
FBXO2 is a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. This protein belongs to the Fbxs class. It is highly similar to the rat NFB42 (neural F Box 42 kDa) protein which is enriched in the nervous

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system and may play a role in maintaining neurons in a postmitotic state. Recombinant human FBXO2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

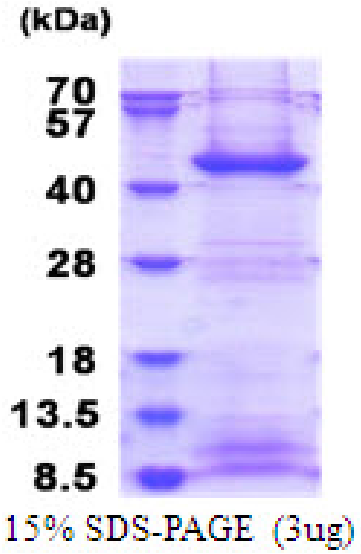
MGSSHHHHHH SSGLVPRGSH MGSMDGDGDP ESVGQPEEAS PEEQPEEASA EEERPEDQQE EEAAAAAAYL DELPEPLLLR VLAALPAAEL VQACRLVCLR WKELVDGAPL WLLKCQQEGL VPEGGVEEER DHWQQFYFLS KRRRNLLRNP CGEEDLEGWC DVEHGGDGWR VEELPGDSGV EFTHDESVKK YFASSFEWCR KAQVIDLQAE GYWEELLDTT QPAIVVKDWY SGRSDAGCLY ELTVKLLSEH ENVLAEFSSG QVAVPQDSDG GGWMEISHTF TDYGPGVRFV RFEHGGQDSV YWKGWFGARV TNSSVWVEP

General References

Cenciarelli C., et al (1999). Curr. Biol. 9:1177-1179
Burkard T.R., et al (2011). BMC Syst. Biol. 5:17-17

DATA

SDS-PAGE



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