

FBXO2, 1-296aa, Human, His tag, E.coli

Cat.NO.: TP02099

3th Edition

Synonyms:F-box only protein 2, FBG1, Fbs1, FBX2, NFB42, OCP1

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 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

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

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMGDGDPESVGQPEEASPEEQPEEASAEERPEDQQEEEEAAAAAYLDEL
PEPLLLRVLAAALPAAELVQACRLVCLRWKELVDGAPLWLLKCQQEGLVPEGGVEEERDHWQQFYFLSKRRRNLLR
NPCGEEDLEGWCDVEHGGDGRVVEELPGDSGVEFTHDESVKKYFASSFEWCRKAQVIDLQAEGYWEELLDTTQ
PAIVVKDWYSGRSDAGCLYELTVKLLSEHENVLAEFSSGQVAVPQSDGGGWMEISHTFTDYGPGVRFVRFEHG
GQDSVYWKGWFGARVTNSSVWVEP

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.