Recombinant Human FBXO2, His-tagged

Cat. No. FBXO2-259H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FBXO2, 1-296aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-296aa
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 Mass	35.7 kDa (319aa), confirmed by MALDI-TOF

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AA 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
Purity	>80% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	FBXO2 F-box protein 2 [Homo sapiens]
Official Symbol	FBXO2
Synonyms	FBXO2; F-box protein 2; F box only protein 2 , OCP1, organ of Corti protein 1; F-box only protein 2; Fbg1; Fbs1; FBX2; Nfb42; F-box gene 1; organ of Corti protein 1; FBG1; OCP1; NFB42;
Gene ID	26232
mRNA Refseq	NM_012168
Protein Refseq	NP_036300

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MIM	607112
UniProt ID	Q9UK22
Chromosome Location	1p36.21
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem;
Function	beta-amyloid binding; glycoprotein binding; sugar binding; ubiquitin-protein ligase activity;

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