

Recombinant Human F-box protein 6, His-tagged

Cat. No. FBXO6-214H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FBXO6, 1-293aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-293 a.a.
Description	FBXO6 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. FBXO6 belongs to the Fbxs class, and its C-terminal region is highly similar to that of rat NFB42 (neural F Box 42 kDa) which may be involved in the control of the cell cycle. Recombinant human FBXO6 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	36.3kDa (316aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSM DAPHSK AALDSINELP ENILLELFTH VPARQLLLNC RLVCSLWRDL IDLMTLWKRK CLREGFITKD WDQPVADWKI

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FYFLRSLHRN LLRNPCAED MFAWQIDFNG GDRWKVESLP GAHGTDFFDP
KVKKYFVTSY EMCLKSQLVD LVAEGYWEEL LDTRPDIVV KDWFAARADC
GCTYQLKVQL ASADYFVLAS FEPPVVTIQQ WNNATWTEVS YTFSDYPRGV
RYILFQHGG R DTQYWAGWYG PRVTNSSIVV SPKMTRNQAS SEAQPGQKHG
QEEAAQSPYR AVVQIF

Purity >90% 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 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name FBXO6 F-box protein 6 [Homo sapiens]

Official Symbol FBXO6

Synonyms FBXO6; F-box protein 6; F box only protein 6; F-box only protein 6; FBG2; FBS2; FBX6; Fbx6b; F-box protein FBG2; F-box protein Fbx6; F-box/G-domain protein 2; F-box protein that recognizes sugar chains 2;

Gene ID 26270

mRNA Refseq NM_018438

Protein Refseq NP_060908

MIM 605647

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UniProt ID	Q9NRD1
Chromosome Location	1p36.22
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Association of TriC/CCT with target proteins during biosynthesis, organism-specific biosystem; Chaperonin-mediated protein folding, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem;
Function	carbohydrate binding; glycoprotein binding; protein binding; ubiquitin-protein ligase activity;

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