

Recombinant Human FBXO18, His-tagged

Cat. No. FBXO18-28815TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 520-1043 of Human FBXO18 with N terminal His tag; 524 amino acids, 61kDa.
Species	Human
Source	E.coli
ProteinLength	520-1043 a.a.
Description	This gene encodes a member of the F-box protein family, members of which are characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into three classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbx class. It contains an F-box motif and seven conserved helicase motifs, and has both DNA-dependent ATPase and DNA unwinding activities. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 104 µl aqua dest.

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Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GRKYQSKKKLNLFLKLT PFMVNSVLAEGKGGFIRAKLVCKT LENFFASADEELTIDHV PIWCKNSQGQRVMVEQSEKLN GVLEASRLWDNMRKLGECTEEAHQMTHDGYLKL WQLSKPS LASFDAIFVDEAQDCTPAIMNIVLSQPCGKIFVGDPHQ QIYTFRGAVNAL FTVPHTHVFYLTQSFRFGVEIAYVGA TILDVCKRVRKKT LVGGNHQSGIRGDAKGQV ALLSRTNAN VFDEAVRVTEGEFSPRIHLIGGIKSFGLDRIIDIWILL QPEEERRKQNLV IKDKFIRRWVHKEGFSGFKRYVTAAE DKELEAKIAVVEKYNIRIPELVQRIEKCHIEDL DFAEYIL GTVHKAKGLEFDTVHVLD DDFVKVPCARHNLPQLPHFRV ESFSEDEWNLL YVAVTRAKKRLIMTKSLENILTLAGEY FLQAE LTSNVLKTGVVRCCVGQC NNAIPVDT VLTMKKLPI TYSNRKENKGGYLCHSCAEQRIGPLAFLTASPEQVRAM ERTVENIVLP RHEALLFLVF

GENE INFORMATION

Gene Name	FBXO18 F-box protein, helicase, 18 [Homo sapiens]
Official Symbol	FBXO18
Synonyms	FBXO18; F-box protein, helicase, 18; F box only protein 18; F-box only protein 18; FBH1; Fbx18; FLJ14590;
Gene ID	84893
mRNA Refseq	NM_032807
Protein Refseq	NP_116196

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MIM	607222
Uniprot ID	Q8NFZ0
Chromosome Location	10p15.1
Function	ATP binding; ATP-dependent DNA helicase activity; DNA binding; helicase activity; hydrolase activity;

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