

## 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, FbIs 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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<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	GRKYQSKKKLNLFLKLTPEFMVNSVLAEGKGGFIRAKLVCKT LENFFASADEELTIDHV PIWCKNSQGQRVMVEQSEKLN GVLEASRLWDNMRKLGECTEEAHQMTHDGYLKL WQLSKPS LASFDAIFVDEAQDCTPAIMNIVLSQPCGKIFVGDPHQ QIYTFRGAVNAL FTVPHTHVFYLTQSFRFGVEIAYVGA TILDVCKRVRKKTLVGGNHQSGIRGDAKGQV ALLSRTNAN VFDEAVRVTEGEFPSRIHLIGGIKSFGLDRIIDIWILL QPEEERRKQNLV IKDKFIRRWWHKEGFSGFKRYVTAAE DKELEAKIAVVEKYNIRIPELVQRIEKCHIEDL DFAEYIL GTVHKAKGLEFDTVHVLDDFVKVPCARHNLPQLPHFRV ESFSEDEWNLL YVAVTRAKKRLIMTKSLENILTLAGEY FLQAEELTSNVLKTGVVRCVGGQCENNAIPVDT VLTMKKLP I TYSNRKENKGGYLCHSCAEQRIGPLAFLTASPEQVRAM ERTVENIVLP RHEALLFLVF

## GENE INFORMATION

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

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

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