

Recombinant Human FBXW7 protein, His & T7-tagged

Cat. No. FBXW7-1733H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FBXW7 aa. (Asp279~Val515 (Accession # Q969H0)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp279~Val515
Description	This gene encodes 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 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. The protein encoded by this gene was previously referred to as FBX30, and belongs to the Fbws class; in addition to an F-box, this protein contains 7 tandem WD40 repeats. This protein binds directly to cyclin E and probably targets cyclin E for ubiquitin-mediated degradation. Mutations in this gene are detected in ovarian and breast cancer cell lines, implicating the gene's potential role in the pathogenesis of human cancers. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder

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Molecular Mass	Predicted Molecular Mass: 31.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.3

GENE INFORMATION

Gene Name	FBXW7 F-box and WD repeat domain containing 7 [Homo sapiens (human)]
Official Symbol	FBXW7
Synonyms	FBXW7; F-box and WD repeat domain containing 7; AGO; CDC4; FBW6; FBW7; hAgo; FBX30; FBXW6; SEL10; hCdc4; FBXO30; SEL-10; F-box/WD repeat-containing protein 7; F-box and WD repeat domain containing 7, E3 ubiquitin protein

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ligase; F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila); F-box protein FBW7; F-box protein FBX30; F-box protein SEL-10; archipelago; homolog of C elegans sel-10

Gene ID	55294
mRNA Refseq	NM_001013415.1
Protein Refseq	NP_001013433.1
UniProt ID	Q969H0

SDS-PAGE

