

## Recombinant Human FBXW7 Protein, His-tagged

Cat. No. FBXW7-2448H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Purified recombinant protein of Human F-box and WD repeat domain containing 7 (FBXW7), transcript variant 3, full length, with N-terminal His tag, expressed in E. coli

**Species** Human

**Source** E.coli

**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.

**Molecular Mass** 65.9 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	50mM Tris, pH8.0, 8M Urea.
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	FBXW7 F-box and WD repeat domain containing 7 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FBXW7
<b>Synonyms</b>	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 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
<b>Gene ID</b>	55294
<b>mRNA Refseq</b>	NM_001013415
<b>Protein Refseq</b>	NP_001013433
<b>MIM</b>	606278

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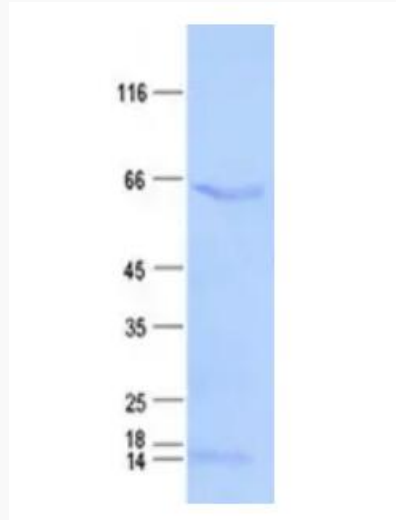
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UniProt ID

Q969H0

SDS-PAGE



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