

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

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 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
Protein Refseq	NP_001013433
MIM	606278

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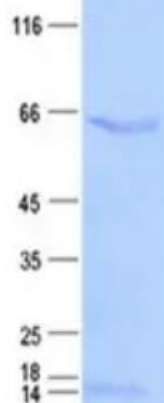
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UniProt ID

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SDS-PAGE

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