Recombinant Human FBXW7 Protein, GST-tagged

Cat. No. FBXW7-3975H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FBXW7 full-length ORF (BAA91986.1, 1 a.a. - 553 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Mar 2012]
Molecular Mass	88.7 kDa
AA Sequence	MGFYGTLKMIFYKMKRKLDHGSEVRSFSLGKKPCKVSEYTSTTGLVPCSATPTTFG

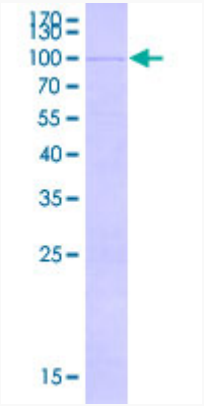
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	DLRAANGQGQQRRRITSVQPPTGLQEWLKMFQSWSGPEKLLALDELIDSCEPTQVK HMMQVIEPQFQRDFISLLPKELALYVLSFLEPKDLLQAAQTCRYWRILAEDNLLWRE KCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDD HVITCLQFCGNRIVSGSDDNTLKVWSAVTGKCLRTLVGHTGGVWSSQMRDNIIISGS TDRTLKVWNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCL HVLMGHVAAVRCVQYDGRRVVSGAYDFMVKVWDPETETCLHTLQGHTNRVYSLQ FDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIW DIKTGQCLQTLQGPNKHQSAVTCLQFNKNFVITSSDDGTVKLWDLKTGEFIRNLVTL ESGGSGGVVWRIRASNTKLVCAVGSRNGTEETKLLVLDFDVDMK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FBXW7 F-box and WD repeat domain containing 7, E3 ubiquitin protein ligase [Homo sapiens]
Official Symbol	FBXW7
Synonyms	FBXW7; F-box and WD repeat domain containing 7, E3 ubiquitin protein ligase; F box and WD repeat domain containing 7 , F box and WD 40 domain protein 7 (archipelago homolog, Drosophila); F-box/WD repeat-containing protein 7; AGO;

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	archipelago homolog (Drosophila); CDC4; FBW7; FBX30; FBXW6; FLJ11071; SEL 10; SEL10; archipelago; F-box protein FBW7; F-box protein FBX30; F-box protein SEL-10; homolog of C elegans sel-10; F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila); FBW6; hAgo; hCdc4; FBXO30; SEL-10; FLJ16457; DKFZp686F23254;
Gene ID	55294
mRNA Refseq	NM_001013415
Protein Refseq	NP_001013433
MIM	606278
UniProt ID	Q969H0
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue

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