

# Recombinant Full Length Human FBXW7 Protein, GST-tagged

Cat. No. FBXW7-4724HF 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** In Vitro Cell Free System

**ProteinLength** 553 amino acids

**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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**AA Sequence**

MGFYGTLKMIFYKMKRKLHDHGSEVRSFSLGKKPCKVSEYTSTTGLVPCSATPTTFG  
 DLRAANGQQQRRRITSVQPPTGLQEWLKMFQSWSGPEKLLALDELIDSCEPTQVK  
 HMMQVIEPQFQRDFISLLPKELALYVLSFLEPKDLLQAAQTCRYWRILAEDNLLWRE  
 KCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDD  
 HVITCLQFCGNRIVSGSDDNTLKVWSAVTGKCLRTL VGHTGGVWSSQMRDNIISGS  
 TDRTLKVWNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCL  
 HVLMGHVAAVRCVQYDGRRVVSGAYDFMVKVWDPETETCLHTLQGHTNRVYSLQ  
 FDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIW  
 DIKTGQCLQTLQGPNKHQSAVTCLQFNKNFVITSSDDGTVKLWDLKTGEFIRNLVTL  
 ESGGSGGVVWRIRASNTKLVCAVGSRRNGTEETKLLVLDVDFVDMK

**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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

(archipelago homolog, Drosophila); F-box/WD repeat-containing protein 7; AGO; archipelago homolog (Drosophila); CDC4; FBW7; FBX30; FBXW6; FLJ11071; SEL10; 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA