

Recombinant Mouse Fbxw11 Protein, MYC/DDK-tagged

Cat. No. Fbxw11-230M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse F-box and WD-40 domain protein 11 (Fbxw11), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins. SCF(FBXW11) mediates the ubiquitination of phosphorylated CTNNB1 and participates in Wnt signaling. SCF(FBXW11) mediates the ubiquitination of phosphorylated NFKBIA, which degradation frees the associated NFKB1 to translocate into the nucleus and to activate transcription. SCF(FBXW11) mediates the ubiquitination of IFNAR1. SCF(FBXW11) mediates the ubiquitination of CEP68; this is required for centriole separation during mitosis. Involved in the oxidative stress-induced a ubiquitin-mediated decrease in RCAN1. Mediates the degradation of CDC25A induced by ionizing radiation in cells progressing through S phase and thus may function in the intra-S-phase checkpoint. Has an essential role in the control of the clock-dependent transcription via degradation of phosphorylated PER1 and phosphorylated PER2. SCF(FBXW11) mediates the ubiquitination of CYTH1, and probably CYTH2.
Molecular Mass	64.5 kDa

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Purity	>80%, as determined by SDS-PAGE and Coomassie blue staining
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 after receiving vials.
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Fbxw11 F-box and WD-40 domain protein 11 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Fbxw11
Synonyms	Fbxw11; F-box and WD-40 domain protein 11; HOS; BTRC2; BTRCP2; Fbxw1b; AA536858; 2310065A07Rik; F-box/WD repeat-containing protein 11; F-box and WD repeats protein beta-TrCP2; F-box and WD-40 domain protein 1B; F-box/WD repeat-containing protein 1B; homologous to Slimb protein
Gene ID	103583
mRNA Refseq	NM_134015
Protein Refseq	NP_598776
UniProt ID	Q5SRY7

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