

Recombinant Mouse Fbxo2 Protein, Myc/DDK-tagged

Cat. No. Fbxo2-2964M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length F-box protein 2 (Fbxo2), 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 that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Involved in the endoplasmic reticulum-associated degradation pathway (ERAD) for misfolded luminal proteins by recognizing and binding sugar chains on unfolded glycoproteins that are retrotranslocated into the cytosol and promoting their ubiquitination and subsequent degradation. Prevents formation of cytosolic aggregates of unfolded glycoproteins that have been retrotranslocated into the cytosol. Able to recognize and bind denatured glycoproteins, preferentially those of the high-mannose type.
Molecular Mass	33.7 kDa
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.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Fbxo2 F-box protein 2 [Mus musculus (house mouse)]
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Official Symbol	Fbxo2
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Synonyms	FBXO2; F-box protein 2; F-box only protein 2; prion protein ligand 4; FBG1; FBX2; Fbs1; Fbs2; NFB42; Prpl4; MGC54895
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Gene ID	230904
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mRNA Refseq	NM_176848
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Protein Refseq	NP_789818
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UniProt ID	www.uniprot.org/uniprot/Q80UW2
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