

Recombinant Mouse Rffl Protein, Myc/DDK-tagged

Cat. No. Rffl-5477M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ring finger and FYVE like domain containing protein (Rffl), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	E3 ubiquitin-protein ligase that regulates several biological processes through the ubiquitin-mediated proteasomal degradation of various target proteins. Mediates 'Lys-48'-linked polyubiquitination of PRR5L and its subsequent proteasomal degradation thereby indirectly regulating cell migration through the mTORC2 complex. Also ubiquitinates the caspases CASP8 and CASP10, promoting their proteasomal degradation, to negatively regulate apoptosis downstream of death domain receptors. Also negatively regulates the tumor necrosis factor-mediated signaling pathway through targeting of RIPK1 to ubiquitin-mediated proteasomal degradation. Negatively regulates p53/TP53 through its direct ubiquitination and targeting to proteasomal degradation. Indirectly, may also negatively regulate p53/TP53 through ubiquitination and degradation of SFN. May also play a role in endocytic recycling.
Molecular Mass	37.4 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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/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	Rffl ring finger and FYVE like domain containing protein [Mus musculus (house mouse)]
Official Symbol	Rffl
Synonyms	RFFL; ring finger and FYVE like domain containing protein; E3 ubiquitin-protein ligase rififylin; fring; rififylin; RING finger and FYVE-like domain-containing protein 1; Carp2; BG080975; 1700051E09Rik; 4930516L10Rik; MGC144763
Gene ID	67338
mRNA Refseq	NM_026097
Protein Refseq	NP_080373
UniProt ID	Q6ZQM0