

Recombinant Mouse Wdfy2 Protein, Myc/DDK-tagged

Cat. No. Wdfy2-6970M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse WD repeat and FYVE domain containing 2 (Wdfy2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts in an adapter protein-like fashion to mediate the interaction between the kinase PRKCZ and its substrate VAMP2 and increases the PRKCZ-dependent phosphorylation of VAMP2. Positively regulates adipocyte differentiation, by facilitating the phosphorylation and thus inactivation of the anti-adipogenic transcription factor FOXO1 by the kinase AKT1. Plays a role in endosomal control of AKT2 signaling; required for insulin-stimulated AKT2 phosphorylation and glucose uptake and insulin-stimulated phosphorylation of AKT2 substrates. Participates in transferrin receptor endocytosis.
Molecular Mass	45.1 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

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Wdfy2 WD repeat and FYVE domain containing 2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Wdfy2](#)

Synonyms Wdfy2; WD repeat and FYVE domain containing 2; ProF; ZFYVE22; 5830485M08; B130024L21Rik; WD repeat and FYVE domain-containing protein 2; WD40- and FYVE domain-containing protein 2; propeller-FYVE protein

Gene ID [268752](#)

mRNA Refseq [NM_175546](#)

Protein Refseq [NP_780755](#)

UniProt ID [Q8BUB4](#)

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