

Product datasheet for TP517140

Wdfy2 (NM_175546) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse WD repeat and FYVE domain containing 2 (Wdfy2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR217140 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAAEIQPQLTRKPILLQRVEGSQEVNMAVIVPKEEGVISVSEDRTVRVWLKRDSGQYWPSIYHAMPSP CSCMSFNPETRRLSIGLDNGTISEFILSESDYNKMTVPVKNYQAHQSRVTMVLVLELEWLSTGQDKQFAW HCSESGQRLGGYRTSAVASGLQFDVETRHHVFIGDHSQVTLKLEQENCTLLTSFRGHTGGVTALCWDPV QRVLFSGSSDHSVIMWDIGGRKGTAIELQGHNDKVQALSQAQHTRQLISCGGDGGIVVWNMDVERQETPE WLDSQKCDQPFWFNFQMWDSSKIGLRQHHCRCGKAVCGKCSSKRSSIPLMGFVFEVRCDSCHEA ITDEERAPTATFHDSKHNIVVHFDATRGWLLTSGTDKVIKLWDMTPVVS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	45.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_780755
Locus ID:	268752
UniProt ID:	Q8BUB4



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RefSeq Size: 2011

Cytogenetics: 14 D1

RefSeq ORF: 1203

Synonyms: 5830485M08; B130024L21Rik; ProF; ZFYVE22

Summary: 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 (By similarity). Positively regulates adipocyte differentiation, by facilitating the phosphorylation and thus inactivation of the anti-adipogenic transcription factor FOXO1 by the kinase AKT1 (PubMed:18388859). 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 (PubMed:20189988). Participates in transferrin receptor endocytosis (By similarity).[UniProtKB/Swiss-Prot Function]