

Recombinant Mouse Wdr26 Protein, Myc/DDK-tagged

Cat. No. Wdr26-6976M Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of Mouse WD repeat domain 26 (Wdr26), with C-terminal MYC/DDK tag, expressed in HEK293T cells.

Species Mouse

Source HEK293

Description G-beta-like protein involved in cell signal transduction. Acts as a negative regulator in MAPK signaling pathway. Functions as a scaffolding protein to promote G beta:gamma-mediated PLCB2 plasma membrane translocation and subsequent activation in leukocytes. Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1. Acts as a negative regulator of the canonical Wnt signaling pathway through preventing ubiquitination of beta-catenin CTNNB1 by the beta-catenin destruction complex, thus negatively regulating CTNNB1 degradation. Serves as a scaffold to coordinate PI3K/AKT pathway-driven cell growth and migration. Protects cells from oxidative stress-induced apoptosis via the down-regulation of AP-1 transcriptional activity as well as by inhibiting cytochrome c release from mitochondria. Protects also cells by promoting hypoxia-mediated autophagy and mitophagy.

Molecular Mass 70.5 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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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 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	Wdr26 WD repeat domain 26 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Wdr26
Synonyms	WDR26; WD repeat domain 26; WD repeat-containing protein 26; C77982; AA693241; AI447817; AU044014; 1600024A01Rik
Gene ID	226757
mRNA Refseq	NM_145514
Protein Refseq	NP_663489
UniProt ID	Q8C6G8

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