Recombinant Mouse Plekhg6 Protein, Myc/DDK-tagged

Cat. No. Plekhg6-4930M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length pleckstrin homology domain containing, family G (with RhoGef domain) member 6 (Plekhg6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Guanine nucleotide exchange factor activating the small GTPase RHOA, which, in turn, induces myosin filament formation. Also activates RHOG. Does not activate RAC1, or to a much lower extent than RHOA and RHOG. Part of a functional unit, involving PLEKHG6, MYH10 and RHOA, at the cleavage furrow to advance furrow ingression during cytokinesis. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with EZR, required for normal macropinocytosis.
Molecular Mass	89.1 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	Plekhg6 pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Mus musculus (house mouse)]
Official Symbol	Plekhg6
Synonyms	PLEKHG6; pleckstrin homology domain containing, family G (with RhoGef domain) member 6; pleckstrin homology domain-containing family G member 6; PH domain-containing family G member 6; Gm155; BC026778; MGC30363
Gene ID	213522
mRNA Refseq	NM_198604
Protein Refseq	NP_941006
UniProt ID	Q8R0J1

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