

Recombinant Mouse Plekho1 Protein, Myc/DDK-tagged

Cat. No. Plekho1-4934M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length pleckstrin homology domain containing, family O member 1 (Plekho1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a role in the regulation of the actin cytoskeleton through its interactions with actin capping protein (CP). May function to target CK2 to the plasma membrane thereby serving as an adapter to facilitate the phosphorylation of CP by protein kinase 2 (CK2). Appears to target ATM to the plasma membrane. Appears to also inhibit tumor cell growth by inhibiting AKT-mediated cell-survival. Also implicated in PI3K-regulated muscle differentiation, the regulation of AP-1 activity (plasma membrane bound AP-1 regulator that translocates to the nucleus) and the promotion of apoptosis induced by tumor necrosis factor TNF. When bound to PKB, it inhibits it probably by decreasing PKB level of phosphorylation.
Molecular Mass	46 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	Plekho1 pleckstrin homology domain containing, family O member 1 [Mus musculus (house mouse)]
Official Symbol	Plekho1
Synonyms	PLEKHO1; pleckstrin homology domain containing, family O member 1; pleckstrin homology domain-containing family O member 1; Jun zipper-associated 2; CK2 interacting protein 1; PH domain-containing family O member 1; TNF intracellular domain-interacting protein; Jza2; Ckip1; JZA-20; 2810052M02Rik; MGC151380
Gene ID	67220
mRNA Refseq	NM_023320
Protein Refseq	NP_075809
UniProt ID	Q9JIY0