

Recombinant Mouse Ralbp1 Protein, Myc/DDK-tagged

Cat. No. Ralbp1-5359M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ralA binding protein 1 (Ralbp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Can activate specifically hydrolysis of GTP bound to RAC1 and CDC42, but not RAL A. Mediates ATP-dependent transport of S-(2,4-dinitrophenyl)-glutathione (DNP-SG) and doxorubicin (DOX) and is the major ATP-dependent transporter of glutathione conjugates of electrophiles (GS-E) and DOX in erythrocytes. Can catalyze transport of glutathione conjugates and xenobiotics, and may contribute to the multidrug resistance phenomenon. Serves as a scaffold protein that brings together proteins forming an endocytotic complex during interphase and also with CDK1 to switch off endocytosis. One of its substrates would be EPN1/Epsin.
Molecular Mass	75 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 Ralbp1 ralA binding protein 1 [Mus musculus (house mouse)]

Official Symbol Ralbp1

Synonyms RALBP1; ralA binding protein 1; ralA-binding protein 1; DNP-SG ATPase; Ral-interacting protein 1; dinitrophenyl S-glutathione ATPase; Rip1; RLIP76

Gene ID 19765

mRNA Refseq NM_009067

Protein Refseq NP_033093

UniProt ID Q62172

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