

Recombinant Mouse Ripor2 Protein, Myc/DDK-tagged

Cat. No. Ripor2-5523M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RHO family interacting cell polarization regulator 2 (Ripor2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as an inhibitor of the small GTPase RHOA and plays several roles in the regulation of myoblast and hair cell differentiation, lymphocyte T proliferation and neutrophil polarization. Plays a role in fetal mononuclear myoblast differentiation by promoting filopodia and myotube formation. Maintains naive T lymphocytes in a quiescent state and prevents chemokine-induced T lymphocyte responses, such as cell adhesion, polarization and migration. Involved also in the regulation of neutrophil polarization, chemotaxis and adhesion. Required for normal development of inner and outer hair cell stereocilia within the cochlea of the inner ear. Plays a role for maintaining the structural organization of the basal domain of stereocilia. Involved in mechanosensory hair cell function. Required for normal hearing.
Molecular Mass	119 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	Ripor2 RHO family interacting cell polarization regulator 2 [Mus musculus (house mouse)]
Official Symbol	Ripor2
Synonyms	Ripor2; RHO family interacting cell polarization regulator 2; Fam65; Fam65b; rho family-interacting cell polarization regulator 2; family with sequence similarity 65, member B; protein FAM65B
Gene ID	193385
mRNA Refseq	NM_029679
Protein Refseq	NP_083955
UniProt ID	Q80U16

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