

Recombinant Mouse Diaph1 Protein, Myc/DDK-tagged

Cat. No. Diaph1-2564M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length diaphanous related formin 1 (Diaph1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the formin family of proteins that play important roles in cytoskeletal rearrangement by nucleation of actin filaments. Mice lacking the encoded protein develop age-dependent myeloproliferative defects resembling human myeloproliferative syndrome and myelodysplastic syndromes. Trafficking of T lymphocytes to secondary lymphoid organs and egression of thymocytes from the thymus are impaired in these animals. Lack of the encoded protein in T lymphocytes and thymocytes also reduces chemotaxis. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	139.3 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 Diaph1 diaphanous related formin 1 [*Mus musculus* (house mouse)]

Official Symbol Diaph1

Synonyms Diaph1; diaphanous related formin 1; Di; Drf; mDi; Dia1; Drf1; Diap1; p140m; p140mDia; D18Wsu154; D18Wsu154e; protein diaphanous homolog 1

Gene ID 13367

mRNA Refseq NM_007858

Protein Refseq NP_031884

UniProt ID O08808

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