

Recombinant Mouse Tiam2 Protein, Myc/DDK-tagged

Cat. No. Tiam2-6425M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length T cell lymphoma invasion and metastasis 2 (Tiam2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Modulates the activity of RHO-like proteins and connects extracellular signals to cytoskeletal activities. Acts as a GDP-dissociation stimulator protein that stimulates the GDP-GTP exchange activity of RHO-like GTPases and activates them. Activates specifically RAC1, but not CDC42 and RHOA. Mediates extracellular laminin signals to activate Rac1, contributing to neurite growth. Involved in lamellipodial formation and advancement of the growth cone of embryonic hippocampal neurons. Promotes migration of neurons in the cerebral cortex. When overexpressed, induces membrane ruffling accompanied by the accumulation of actin filaments along the altered plasma membrane.
Molecular Mass	192.6 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 Tiam2 T cell lymphoma invasion and metastasis 2 [Mus musculus (house mouse)]

Official Symbol Tiam2

Synonyms TIAM2; T cell lymphoma invasion and metastasis 2; T-lymphoma invasion and metastasis-inducing protein 2; TIAM-2; SIF and TIAM1-like exchange factor; T-cell lymphoma invasion and metastasis 2; RAS-related C3 botulinum substrate 1, guanine nucleotide exchange factor 1; STEF; mKIAA2016; 3000002F19Rik

Gene ID 24001

mRNA Refseq NM_011878

Protein Refseq NP_036008

UniProt ID Q6ZPF3

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