

Recombinant Mouse Fgd4 Protein, Myc/DDK-tagged

Cat. No. Fgd4-2992M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length FYVE, RhoGEF and PH domain containing 4 (Fgd4), transcript variant alpha, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene is a member of the FYVE, RhoGEF and PH domain containing (FGD) family. The encoded protein is a Cdc42-specific guanine nucleotide exchange factor (GEF) that plays an essential role in regulating the actin cytoskeleton and cell morphology. Disruption of the gene in mouse causes abnormal nerve development and dysmyelination. Mutations in a similar gene in human can cause Charcot-Marie-Tooth disease type 4H (CMT4H), a disorder of the peripheral nervous system. Alternative splicing results in multiple transcript variants.
Molecular Mass	86.5 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 Fgd4 FYVE, RhoGEF and PH domain containing 4 [*Mus musculus* (house mouse)]

Official Symbol [Fgd4](#)

Synonyms FGD4; FYVE, RhoGEF and PH domain containing 4; FYVE, RhoGEF and PH domain-containing protein 4; frabin; Fgd1-related F-actin-binding protein; actin filament-binding protein frabin; Frabp; ZFYVE6; 9030023J02Rik; 9330209B17Rik

Gene ID [224014](#)

mRNA Refseq [NM_139232](#)

Protein Refseq [NP_631978](#)

UniProt ID [Q91ZT5](#)

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