Recombinant Mouse Fgd2 Protein, Myc/DDK-tagged

Cat. No. Fgd2-2991M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length FYVE, RhoGEF and PH domain containing 2 (cDNA clone MGC:30923 IMAGE:4016697), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Activates JNK1 via CDC42 but not RAC1. Binds to phosphatidylinositol 4,5-bisphosphate, phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and phosphatidylinositol 3-monophosphate.
Molecular Mass	52.5 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.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Fgd2 FYVE, RhoGEF and PH domain containing 2 [Mus musculus (house mouse)]
Official Symbol	Fgd2
Synonyms	Fgd2; FYVE, RhoGEF and PH domain containing 2; tcs; Tcd2; tcs-; tcs2; Tcd-2; tcs-2; ZFYVE4; FYVE, RhoGEF and PH domain-containing protein 2; Fgd1 family, member 2; Fgd2-like protein; faciogenital dysplasia homolog 2; faciogenital dysplasia protein 2; t-complex distorter 2
Gene ID	26382
mRNA Refseq	NM_013710
Protein Refseq	NP_038738
UniProt ID	Q8BY35

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