

Recombinant Human FIG4 Protein, GST-tagged

Cat. No. FIG4-4169H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FIG4 full-length ORF (NP_055660.1, 1 a.a. - 907 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene belongs to the SAC domain-containing protein gene family. The SAC domain, approximately 400 amino acids in length and consisting of seven conserved motifs, has been shown to possess phosphoinositide phosphatase activity. The yeast homolog, Sac1p, is involved in the regulation of various phosphoinositides, and affects diverse cellular functions such as actin cytoskeleton organization, Golgi function, and maintenance of vacuole morphology. Membrane-bound phosphoinositides function as signaling molecules and play a key role in vesicle trafficking in eukaryotic cells. Mutations in this gene have been associated with Charcot-Marie-Tooth disease, type 4J. [provided by RefSeq
Molecular Mass	130 kDa
AA Sequence	MPTAAAPIISSVQKLVLVYETRARYFLVGSNNAETKYRVLKIDRTEPKDLVIIDDRHVYT QQEVRELLGRLDLGNRTKMGQKGSSGLFRAVSAGVVG FVRFLEGYYIVLITKRRK MADIGGHAIYKVEDTNMIYIPNDSVRVTHPDEARYLRIFQNVDLSSNFYFSYSYDLSH SLQYNLTVLRMPLEMLKSEMTQNRQESFDIFEDEGLITQGGSGVFGICSEPYMKYV WNGELLDIIKSTVHRDWLLYIIHGFCGQSKLLIYGRP VYVTLIARRSSKFAGTRFLKRG

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ANCEGDVANEVETEQILCDASVMSFTAGSYSSYVQVRGSVPLYWSQDISTMMPKPP
ITLDQADPFAHVAALHFDQMFQRFSGSPIILNLVKEREKRKHERILSEELVAAVTYLNQ
FLPPEHTIVYIPWDMAYTKSKLCNVLDRLNVIAESVVKKTGFFVNRPD SYCSILRPD
EKWNELG GCVIPTGRLQTGILRTNCVDCLDRTNTAQFMVGKCALAYQLYSLGLIDKP
NLQFDTDAVRLFEELYEDHGD TSLQYGGSQLVHRVKTYRKIAPWTQHSKDIMQTL
SRYYSNAFSDADRQDSINLFLGVFHPTEGKPHLWELPTDFYLHHKNTMRLLPTRRS
YTYWWTPEVIKHLPLPYDEVICAVNLKKLIVKKFKHYEEEEIDIHNEFFRPYELSSFDDT
FCLAMTSSARD FMPKTVGIDPSPFTVRKPD ETGKSVLGNKSNREEAVLQRKTAASA
PPPPSEEAVSSSSSEDDSGTDREEEGSVSQRSTPVKMTDAGDSAKVTENVVQPMKE
LYGINLSDGLSEEDFSIYSRFVQLGQSQHKQDKNSQQPCSRCS DGVIKLTPISAFSQ
DNIYEVQPPRVDRKSTEIFQAHIQASQGIMQPLGKEDSSMYREYIRNRYL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

FIG4 FIG4 phosphoinositide 5-phosphatase [Homo sapiens (human)]

Official Symbol

FIG4

Synonyms

FIG4; FIG4 phosphoinositide 5-phosphatase; YVS; BTOP; SAC3; ALS11; CMT4J;
KIAA0274; dJ249I4.1; polyphosphoinositide phosphatase; FIG4 homolog, SAC

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domain containing lipid phosphatase; FIG4 homolog, SAC1 domain containing lipid phosphatase; FIG4 homolog, SAC1 lipid phosphatase domain containing; SAC domain-containing protein 3; Sac domain-containing inositol phosphatase 3; phosphatidylinositol 3,5-bisphosphate 5-phosphatase

Gene ID 9896

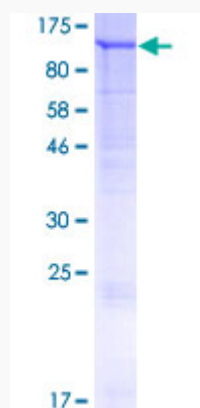
mRNA Refseq NM_014845

Protein Refseq NP_055660

MIM 609390

UniProt ID Q92562

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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