

Product datasheet for TP307192M

FIG4 (NM_014845) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|-----------------------------------------------------------------------------------|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human FIG4 homolog (<i>S. cerevisiae</i>) (FIG4), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC207192 protein sequence Red=Cloning site Green=Tags(s) |

MPTAAPIISSVQKLVLYETRARYFLVGSNNAETKYRVLKIDRTEPKDLVIIIDDRHVYTQQEVRELLGRL
DLGNRTKMGQKGSSGLFRAVSAFGVVGFRFLEGYYIVLITKRRKMADIGGHAIYKVEDTNMIYIPNDV
RVTHPDEARYLRIFQNVDLSSNFYFSYSYDLSHSLQYNLTVLRMPLEMLKSEMTQNRQESDFIFEDEGLI
TQGGSGVFGICSEPYMKYVWNGELLDIIKSTVHRDWLLYIIHGFCGQSKLLIYGRPVYVTLIARRSSKFA
GTRFLKRGANCEGDVANEVETEQILCDASVMSFTAGSYSSVQVRGVSPLYWSQDISTMMPKPPITLDQA
DPFAHVAALHFDQMFQRFQSPHILNLVKEREKRKHERILSEELVAAVTYLNQFLPPEHTIVYIPWDMAK
YTKSKLCNVLDRLNVIAESVVKKTGFFVNRPDYSILRPDEKWNELGGCVIPTGRLQTGILRTNCVDCL
DRTNTAQFMVGKCALAYQLYSLGLIDKPNLQFDTDAVRLFEELYEDHGDLSLQYGGSQLVHRVKTYRKI
APWTQHSKDIMGTLRSRYSNAFSDADRQDSINLFLGVFHPTEGKPHLWELPTDFYLHKKNTMRLLPTRRS
YTYWWTPEVIKHLPLPYDEVICAVNLKLVKFKHKEYEEIDIHNEFFRPYELSSFDDTFCLAMTSSARD
FMPKTVGIDPSPFTVRKPDETGKSVLGNKSNREEAVLQRKTAASAPPPSSEEAVSSSEDDSGTDREEEG
SVSQRSTPVKMTDAGDSAKVTENVVQPMKELYGINLSDGLSEEDFSIYSRFVQLGQSQHKQDKNSQQPCS
RCSDBGVIKLTPISAFSQDNIYEVQPPRVDRKSTEIFQAHIQASQGIMQPLGKEDSSMYREYIRNYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|------------------------------------------------------------------------------------------------------------------|
| Tag: | C-Myc/DDK |
| Predicted MW: | 103.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |



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Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_055660](#)

Locus ID: 9896

UniProt ID: [Q92562](#)

RefSeq Size: 3123

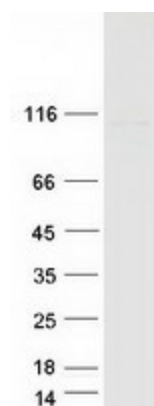
Cytogenetics: 6q21

RefSeq ORF: 2721

Synonyms: ALS11; BTOP; CMT4J; dJ24914.1; KIAA0274; SAC3; YVS

Summary: 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, Jul 2008]

Product images:



Coomassie blue staining of purified FIG4 protein (Cat# [TP307192]). The protein was produced from HEK293T cells transfected with FIG4 cDNA clone (Cat# [RC207192]) using MegaTran 2.0 (Cat# [TT210002]).