

Recombinant Full Length Human GIT1 Protein, C-Flag-tagged

Cat. No. GIT1-1144HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GIT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables gamma-tubulin binding activity. Involved in positive regulation of microtubule nucleation and regulation of cytokinesis. Located in several cellular components, including focal adhesion; microtubule cytoskeleton; and mitochondrion. Implicated in attention deficit hyperactivity disorder. Biomarker of Huntington's disease.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	84.2 kDa
AA Sequence	MSRKGPRAEVCADCSAPDPGWASISRGVLVCDECCSVHRSLSGRHISIVKHLRHS AWPPTLLQMVHTLASN GANSIWEHSLLDPAQVQSGRRKANPQDKVHPIKSEFIRAKYQ MLAFVHKLPDRDDGVTAKDLSKQLHSS VRTGNLETCLRLSLGAQANFFHPEKGT TPLHVAAGAGQTLQAEELLVYGADPGSPDVNGRTPIDYARQA GHHELAERLVECQY ELTDRLAFYLCGRKPDHKNHGYIIPQMADSLDLSELAKAACKKLQALSNRLFEELA M DVYDEVDRRENDVWLATQNHSTLVTERSAPVFLPVNPEYSATRNQGRQKLARFN AREFATLIIDILSE AKRRQQGKSLSSPTDNLELSLRSQSDLDQHDYDSVASDEDTD QEPLRSTGATRSNRARSMDSSDLSGGA VTLQEYLELKKALATSEAKVQQLMKVNS SLSDELRRLLQREIHKLQAENLQLRQPPGPVPTPLPSERAHEH TPMAPGGSTHRRDR

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QAFSMYEPGSALKPFGGPPGDELTTTLQPFHSTELEDDAIYSVHVPAGLYRIRKGV
 SASAVPFTPSSPLLSCSQEGSRHTSKLSRHGSGADSDYENTQSGDPLLGLEGRFL
 ELGKEEDFHPELES LDGDLDPGLPSTEDVILKTEQVTKNIQELLRAAQEFKHDSFVP
 CSEKIHLAVTEMASLFPKRPALEPVRS
 SLRLLNASAYRLQSECRKTVPEPGAPVDFQLLTQQVIQCAVDIAKAAKQLVTITTRE
 KKQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Endocytosis, Epithelial cell signaling in Helicobacter pylori infection, Regulation of actin cytoskeleton
Full Length	Full L.

GENE INFORMATION

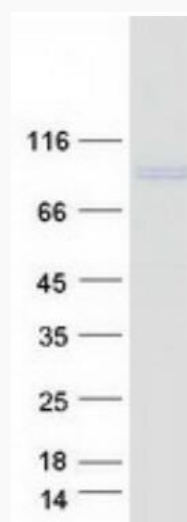
Gene Name	GIT1 GIT ArfGAP 1 [Homo sapiens (human)]
Official Symbol	GIT1

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Synonyms	p95-APP1
Gene ID	28964
mRNA Refseq	NM_014030.4
Protein Refseq	NP_054749.2
MIM	608434
UniProt ID	Q9Y2X7



Coomassie blue staining of purified GIT1 protein.