

Product datasheet for **TP300045L**

GIT2 (NM_139201) Human Recombinant Protein

Product data:

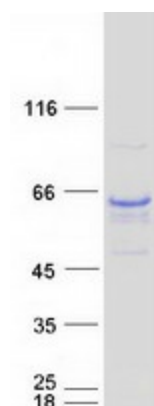
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human G protein-coupled receptor kinase interacting ArfGAP 2 (GIT2), transcript variant 4, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200045 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSKRLRSSEVCADCSGPDPSWASVNRGTFLCDECCSVHRSLSGRHISQVRHLKHTWPPTLLQMVELYN N GANSIWEHSLDPASIMSGRRKANPQDKVHPNKAEFIRAKYQMLAFVHRLPCRDDDSVTAKDLSKQLHS S VRTGNLETCLRLLSLGAQANFFHPEKGNTPLHVASKAGQILQAELLAVYGADPGTQDSSGKTPVDYARQG GHHELAERLVEIQYELTDRLAFYLCGRKPDHKNQHFIPQMADSSLDLSELAKAACKKLQSLSNHLFEE LAMDMYDEVDRRETDAVWLATQNHSAVLTETTVFPVNPPEYSSTRNQGRQKLARFNAHEFATLVIDIL SDAKRRQQGSSSLSGSKDNVELILKTINNQHVSQDNDQPDYDSVASDEDTDLETTASKTNRQKSLSDSL SDGPVTVQEFMEVKNALVASEAKIQQLMKVNNNLSDELRLIMQKLLGKDN</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	52.4 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.
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.



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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:	<u>NP_631940</u>
Locus ID:	9815
UniProt ID:	<u>Q6FI58</u>
RefSeq Size:	2357
Cytogenetics:	12q24.11
RefSeq ORF:	1413
Synonyms:	CAT-2; CAT2; PKL
Summary:	This gene encodes a member of the GIT protein family, which interact with G protein-coupled receptor kinases and possess ADP-ribosylation factor (ARF) GTPase-activating protein (GAP) activity. GIT proteins traffic between cytoplasmic complexes, focal adhesions, and the cell periphery, and interact with Pak interacting exchange factor beta (PIX) to form large oligomeric complexes that transiently recruit other proteins. GIT proteins regulate cytoskeletal dynamics and participate in receptor internalization and membrane trafficking. This gene has been shown to repress lamellipodial extension and focal adhesion turnover, and is thought to regulate cell motility. This gene undergoes extensive alternative splicing to generate multiple isoforms, but the full-length nature of some of these variants has not been determined. The various isoforms have functional differences, with respect to ARF GAP activity and to G protein-coupled receptor kinase 2 binding. [provided by RefSeq, Sep 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis

Product images:



Coomassie blue staining of purified GIT2 protein (Cat# [TP300045]). The protein was produced from HEK293T cells transfected with GIT2 cDNA clone (Cat# [RC200045]) using MegaTran 2.0 (Cat# [TT210002]).