

Product datasheet for PH300045

GIT2 (NM_139201) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GIT2 MS Standard C13 and N15-labeled recombinant protein (NP_631940)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200045
Predicted MW:	52.6 kDa
Protein Sequence:	>RC200045 protein sequence Red=Cloning site Green=Tags(s)
	MSKRLRSSEVCADCSGPDPSWASVNRGTFLCDECCSVHRSLGRHISQVRHLKHTPWPTLLQMVELYNN GANSIWEHSLLDPASIMSGRRKANPQDKVHPNKAEIFIRAKYQMLAFVHRLPCRDDSVTAKDL SKQLHSS VRTGNLETCLRLLSLGAQANFFHPEKGNTPHVASKAGQILQAELLAVYGADPGTQDSSGKTPVDYARQG GHHELAERLVEIQYELTDRLAFYLCGRKPDHKNQHFIIIPQADSSLDLSELAKAAKKLQSLSNHLFEE LAMDMYDEVDRRETDAVWLATQNHSALVTETTVPFPLPVNPEYSSTRNQRQKLARFNAHEFATLVIDIL SDAKRRQQGSSLSGSKDNVELILKTINNQHVSVDNDQPDYDSVASDEDTLETTASKTNRQKSLDSDL SDGPVTVQEFMEVKNALVASEAKIQQLMKVNNLSDELIMQKLLGKDAN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_631940</u>
RefSeq Size:	2357
RefSeq ORF:	1413
Synonyms:	CAT-2; CAT2; PKL



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Locus ID: 9815

UniProt ID: [Q6FI58](#)

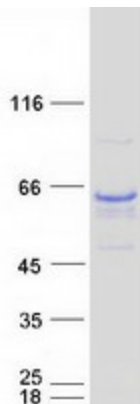
Cytogenetics: 12q24.11

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]).