

Full-Length

GIT2 (Human) Recombinant Protein (P01)

Catalog # H00009815-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GIT2 full-length ORF (AAH01379, 1 a.a. - 471 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSKRLRSSEVCADCSGPDPSWASVNRGTFLCDECCSVHRSLGRHISQVRHLKHTPWPPTLLQM
VETLYNNGANSIWEHSLLDPASIMSGRRKANPQDKVHPNKAEFIRAKYQMLAFVHRLPCRDDDSV
TAKDLSKQLHSSVRTGNLETCLRLSLGAQANFFHPEKGNTPLHVASKAGQILQAELLAVYGADP
GTQDSSGKTPVDYARQGGHHELAERLVEIQYELTDRLAFYLCGRKPDHKNGQHFIIPQMADSSLD
LSELAKAACKKLQSLSNHLFEELAMDMYDEVDRRETDAVWLATQNHSAVLTETTVPFLPVNPE
YSSTRNQGRQKLARFNAHEFATLVIDILSDAKRRQQGSSSLSGSKDNVELILKTINNQHVSQDND
QPDYDSVASDEDTDLETTASKTNRQKSLSDSLSDGPVTVQEFMEVKNALVASEAKIQQLMKVNN
NLSDELIMQKKLLGKDAN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

77.33

Interspecies Antigen Sequence

Mouse (93); Rat (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — GIT2

Entrez GeneID	9815
GeneBank Accession#	BC001379
Protein Accession#	AAH01379
Gene Name	GIT2
Gene Alias	CAT-2, DKFZp686G01261, KIAA0148, MGC760
Gene Description	G protein-coupled receptor kinase interacting ArfGAP 2
Omim ID	608564
Gene Ontology	Hyperlink

Gene Summary	<p>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]</p>
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Other Designations

ARF GTPase-activating protein GIT2|G protein-coupled receptor kinase interactor 2|GRK-interacting protein 2|cool-associated, tyrosine phosphorylated protein 2

Pathway

- [Endocytosis](#)