

## Product datasheet for PH320153

### GIT1 (NM\_014030) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GIT1 MS Standard C13 and N15-labeled recombinant protein (NP_054749)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220153
Predicted MW:	84.2 kDa
Protein Sequence:	>RC220153 representing NM_014030 Red=Cloning site Green=Tags(s)

MSRKGPRAEVCADCSAPDPGWASISRGVLVCECCSVHRSLGRHISIVKHLRHSAPPTLLQMVHTLASN  
GANSIWEHSLLDPAQVQSGRRKANPQDKVHPKSEFIRAKYQMLAFVHKLPCRDDDGVTAKDL SKQLHSS  
VRTGNLETCLRLLSLGAQANFFHPEKGTTPHVAAGQTLQAELLVYVGADPGSPDVNGRTPIDYARQA  
GHHELAERLVECYELTDRLAFYLCGRKPDHKNHYIIPQMADSLDL SELAKAAKKKLQALS NR LFEELA  
MDVYDEVDRRENDVWLATQNHSTLVTERSVPFLPVNPEYSATRNQGRQKLARFNAREFATLIIDILSE  
AKRRQQGKSLSSPTDNLELSLRSQSDLDDQHDYDSVASDETDQEPLRSTGATRSNRARSMSSDLSDGA  
VTLQEYLELKKALATSEAKVQQLMKVNSSLDELRRQLREIHKLQAENLQLRQPPGPVPTPLPSEAEH  
TPMAPGGSTHRRDRQAFSMYEPGSALKPFGGPPGDEL TTRLQPFHSTELEDDAIYSVHVPAGLYRIRKGV  
SASAVPFTPSSPLLSCSQEGSRHTSKLSRHGSGADSDYENTQSGDPLLGLEGRFLELGKEEDFHPELES  
LDGDLDPGLPSTEDVILKTEQVTKNIQELLRAAQEFKHDSFVPCSEKIHLAVTEMASLFPKRPALPEPVR  
SLRLLNASAYRLQSECRKTVPEPGAPVDFQLLTQQVIQCAYDIAKAAKQLVTITTREKKQ

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_054749</a>



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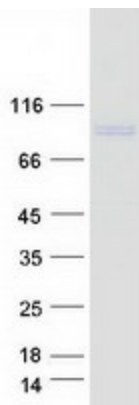
RefSeq Size: 3758  
RefSeq ORF: 2283  
Locus ID: 28964  
UniProt ID: [Q9Y2X7](#)  
Cytogenetics: 17q11.2

**Summary:** GTPase-activating protein for the ADP ribosylation factor family. May serve as a scaffold to bring together molecules to form signaling modules controlling vesicle trafficking, adhesion and cytoskeletal organization. Increases the speed of cell migration, as well as the size and rate of formation of protrusions, possibly by targeting PAK1 to adhesions and the leading edge of lamellipodia. Sequesters inactive non-tyrosine-phosphorylated paxillin in cytoplasmic complexes. Involved in the regulation of cytokinesis; the function may involve ENTR1 and PTPN13 (By similarity).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis, Epithelial cell signaling in Helicobacter pylori infection, Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified GIT1 protein (Cat# [TP320153]). The protein was produced from HEK293T cells transfected with GIT1 cDNA clone (Cat# [RC220153]) using MegaTran 2.0 (Cat# [TT210002]).