

# Recombinant Human GIT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** GIT1-3983H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | GIT1 MS Standard C13 and N15-labeled recombinant protein (NP_054749) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | GIT1 (GIT ArfGAP 1) is a Protein Coding gene. Diseases associated with GIT1 include Progressive Myoclonus Epilepsy 7 and Blind Loop Syndrome. Among its related pathways are Neuroscience and Regulation of CDC42 activity. Gene Ontology (GO) annotations related to this gene include GTPase activator activity. An important paralog of this gene is GIT2.                                                                                                                            |
| <b>Molecular Mass</b>   | 84.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MSRKGPRAEVCADCSAPDPGWASISRGVLVCDECCSVHRSLSGRHISIVKHLRHS<br>AWPPTLLQMVHTLASNGANSIWEHSLLDPAQVQSGRRKANPQDKVHPIKSEFIRAKYQ<br>MLAFVHKLPCRDDDGVTAKDLSKQLHSSVRTGNLETCLRLSLGAQANFFHPEKGT<br>TPLHVAAGQTLQAELLVYGADPGSPDVNGRTPIDYARQAGHHELAERLVECQY<br>ELTDRLAFYLCGRKPDHKNGHYIIPQMADSLDLSELAKAACKKLQALSNRLFEELAM<br>DVYDEVDRRENDVWLATQNHSTLVTERSAPVFLPVNPEYSATRNQGRQKLARFN<br>AREFATLIIDILSEAKRRQQGKSLSSPTDNLLESLRSQSDLDDQHDYDSVASDEDT<br>DQEPLRSTGATRSNRARSMDSSDLSGAVTLQEYLELKKALATSEAKVQQLMKVNSS |

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LSDELRRRLQREIHKLQAENLQLRQPPGPVPTPLPSERAHTPMAPGGSTHRRDRQ  
AFSMYEPGSALKPFGGPPGDELTTTLQPFHSTELEDDAIYSVHVPAGLYRIRKGVSA  
SAVPFTPSSPLLSCSQEGSRHTSKLSRHGSGADSDYENTQSGDPLLGLEGKRFLLEL  
GKEEDFHPELESLDGDLDPGLPSTEDVILKTEQVTKNIQELLRAAQEFKHDSFVPCS  
EKIHLAVTEMASLFPKRPALEPVRSSLRLLNASAYRLQSECRKTVPEPGAPVDFQL  
LTQQVIQCAVDIAKAAKQLVTITTREKKQTRTRPLEQKLISEEDLAANDILDYKDDDDK  
V

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** GIT1 G protein-coupled receptor kinase interacting ArfGAP 1 [ Homo sapiens (human) ]

**Official Symbol** GIT1

**Synonyms** GIT1; G protein-coupled receptor kinase interacting ArfGAP 1; G protein coupled receptor kinase interactor 1; ARF GTPase-activating protein GIT1; CAT1; CAT-1; ARF GAP GIT1; GRK-interacting protein 1; G protein-coupled receptor kinase interactor 1; G protein-coupled receptor kinase-interactor 1; cool-associated and tyrosine-phosphorylated protein 1;

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|----------------|-----------|
| Gene ID        | 28964     |
| mRNA Refseq    | NM_014030 |
| Protein Refseq | NP_054749 |
| MIM            | 608434    |
| UniProt ID     | Q9Y2X7    |

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