

Recombinant Human GIT1 293 Cell Lysate

Cat. No. GIT1-5926HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for G protein-coupled receptor kinase interacting ArfGAP 1 (GIT1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

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

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;

Gene ID [28964](#)

mRNA Refseq [NM_001085454](#)

Protein Refseq [NP_001078923](#)

MIM [608434](#)

UniProt ID [Q9Y2X7](#)

Chromosome Location 17p11.2

Pathway

Arf6 signaling events, organism-specific biosystem; Aurora A signaling, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem;

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Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;
Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem;
Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem;

Function

ARF GTPase activator activity; metal ion binding; protein binding; protein
homodimerization activity; small GTPase binding; zinc ion binding;

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