

Recombinant Human RIT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RIT1-6153H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RIT1 MS Standard C13 and N15-labeled recombinant protein (NP_008843) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of a subfamily of Ras-related GTPases. The encoded protein is involved in regulating p38 MAPK-dependent signaling cascades related to cellular stress. This protein also cooperates with nerve growth factor to promote neuronal development and regeneration. Alternate splicing results in multiple transcript variants.
Molecular Mass	25.1 kDa
AA Sequence	MDSGTRPVGSCSSPAGLSREYKLVMLGAGGVGKSAMTMQFISHRFPEDHDPTIE DAYKIRIRIDDEPANLDILDTAGQAEFTAMRDQYMRAGEGFIICYSITDRRSFHEVREF KQLIYRVRRDTPVVLVGNKSDLKQLRQVTKEEGLALAREFSCPFETSAAYRYI DDVFHALVREIRRKEKEAVLAMEKKSKPKNSVWKRLKSPFRKKKDSVTTRTRPLEQ KLISEEDLAANDILDYKDDDDKV
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 RIT1 Ras-like without CAAX 1 [Homo sapiens (human)]

Official Symbol RIT1

Synonyms RIT1; Ras-like without CAAX 1; Ric (Drosophila) like, expressed in many tissues, RIT; GTP-binding protein Rit1; GTP binding protein Roc1; MGC125864; MGC125865; RIBB; Ric like; expressed in many tissues; ROC1; GTP-binding protein Roc1; ras-like without CAAX protein 1; Ric-like, expressed in many tissues; ras-like protein expressed in many tissues; RIT;

Gene ID 6016

mRNA Refseq NM_006912

Protein Refseq NP_008843

MIM 609591

UniProt ID Q92963

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SDS-PAGE

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