

Recombinant Human RUFY3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RUFY3-3486H Lot. No. (See product label)

SPECIFICATION

Product Overview

RUFY3 MS Standard C13 and N15-labeled recombinant protein (NP_001124181) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a RPIP8, UNC-14, and NESCA domain-containing protein that is required for maintenance of neuronal polarity. In addition, it has been implicated in mediation of gastric cancer cell migration and invasion via interaction with P21-activated kinase-1, which promotes its expression. The encoded protein localizes to F-actin-enriched invadopodia to induce formation of protrusions, thereby facilitating cell migration. Alternative splicing results in multiple transcript variants.

Molecular Mass

55.7 kDa

AA Sequence

MAETPPPPTAGAESCSEEPARGGEWRPEEPRRAPAGGTDREGEAGPPPASPAGQ
 SEPDPVAAPFFLLYPGDGGAGFGVRPPPQQRSWRTPSPGSPLPFLLLSYPSG
 GGGSSGSGKHHPNYLMANERMNLMNMAKLSIKGLIESALNLGRTLDSYAPLQQFF
 VVMEHCLKHGLKAKKTFLGQNKSFWGPLELVEKLVPEAAEITASVKDLPGLKTPVGR
 GRAWLRLALMQKKLSEYMKALINKKELLSEFYEPNALMMEEEGAIAGLLVGLNVIDA
 NFCMKGEDLDSQVGVIDFSMYLKDGNSKGTGEGDQITAILDQKNYVEELNRHLNA
 TVNNLQAKVDALEKSNTKLTEELAVANNRIITLQEEMERVKEESSYILES NRKGPQD

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RTAEGQALSEARKHLKEETQLRLDVEKELEMQISMRQEMELAMKMLEKDVCEKQD
 ALVSLRQQQLDDLRALKHELAFKQLQSSDLGVKQKSELNSRLEEKTNQMAATIKQLEQR
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 RUFY3 RUN and FYVE domain containing 3 [Homo sapiens (human)]

Official Symbol RUFY3

Synonyms RUFY3; RUN and FYVE domain containing 3; protein RUFY3; KIAA0871; RIPx; Singar1; single axon related 1; singar; single axon-related 1; rap2 interacting protein x; rap2-interacting protein x; single axon-regulated protein; RIPX; SINGAR1;

Gene ID 22902

mRNA Refseq NM_001130709

Protein Refseq NP_001124181

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