

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

Cat. No. RUFY3-4404H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RUFY3 MS Standard C13 and N15-labeled recombinant protein (NP_055776) 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	53 kDa
AA Sequence	MSALTPPTDMPTPTTDKITQAAMETIYLCKFRVSM DGEWLCLRELDDISLTPDPEPT HEDPNYLMANERMNLMNMAKLSIKGLIESALNLGRTLDS DYAPLQQFFVMEHCLK HGLKAKKTFLGQNK SFWGP LELVEKLVPEAAEITASVKDL PGLKTPVGRGRAWLRLA LMQKKLSEYMKALINKKELLSEFYEPNALMMEEEGAI IAGLLVGLNVIDANFCMKGED LDSQVGVIDFSMYLKDGNSSKGTEGDGQITAILDQKNYVEELNRHLNATVNNLQAKV DALEKSNTKLTEELAVANNRIITLQEEMERVKEESSY ILESNRKGPKQDR TAEGQALS EARKHLKEETQLRLDVEKELEMQISMRQEMELAMKM LEKDVCEKQDALVSLRQQLD

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	DLRALKHELAFKLQSSDLGVKQKSELNSRLEEKTNQMAATIKQLEQSEKDLVKQAKT LNSAANKLIPKHHTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_014961
Protein Refseq	NP_055776
MIM	611194

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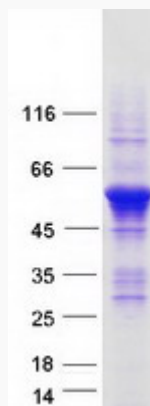
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UniProt ID

Q7L099

SDS-PAGE

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