

Recombinant Human RIN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RIN2-1040H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RIN2 MS Standard C13 and N15-labeled recombinant protein (NP_061866) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The RAB5 protein is a small GTPase involved in membrane trafficking in the early endocytic pathway. The protein encoded by this gene binds the GTP-bound form of the RAB5 protein preferentially over the GDP-bound form, and functions as a guanine nucleotide exchange factor for RAB5. The encoded protein is found primarily as a tetramer in the cytoplasm and does not bind other members of the RAB family. Mutations in this gene cause macrocephaly alopecia cutis laxa and scoliosis (MACS) syndrome, an elastic tissue disorder, as well as the related connective tissue disorder, RIN2 syndrome. Alternative splicing results in multiple transcript variants.
Molecular Mass	100 kDa
AA Sequence	MTAWTMGARGLDKRGSF FKLIDTIASEIGELKQEMVRTDVNLENGLEPAETHSMVR HKDGGYSEEEDVKTCARDSGYDSL SNRLSILDRLLHHPWLQLSLSEEEAAEVLQA QPPGIFLVHKSTKMQKKVLSRLPCEFGAPLKEFAIKESTYTFSLEGSGISFADLFRLI AFYCISRDLVPFTLKL PYAISTAKSEAQLEELAQMGLNFWSSPADSKPPNLPPPHRPL SSDGVCPASLRQLCLINGVHSIKTRTPSELECSQTNGALCFINPLFLKVHSQDLSSGGL

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KRPSTRTPNANGTERTRSPPPRPPPPAINSLHTSPRLARTETQTSMPETVNHKNKHG
 NVALPGTKPTPIPPRLKKQASFLEAEGGAKTLSGGRPGAGPELELGTAGSPGGAP
 PEAAPGDCTRAPPPSSESRRPPCHGGRQRLSDMSISTSSSDSLEFDRSMPLFGYEAD
 TNSSLEDYEGESDQETMAPPIKSKKKRSSSFVLPKLVKSQQLQKVSFSSFMTPPEKR
 MVRRIAELSRDKCTYFGCLVQDYVSFLQENKECHVSSTDMLQTIRQFMTQVKNYLS
 QSSELDPPIESLIPEDQIDVVLEKAMHKCILKPLKGHVEAMLKDFHMADGSWKQLKE
 NLQLVRQRNPQELGVFAPTPDFVDVEKIKVKFMTMQKMYSPEKKVMLLLRVCKLIYT
 VMENNSGRMYGADDPLVLTIVIAQCDMLELDTEIEYMMELLDPSLLHGEGGYLT
 SAYGALSLIKNFQEEQAARLLSSETRDTRLRQWHKRRTTNRTIPSVDDFQNYLRVAFQ
 EVNSGCTGKTLLVRPYITTEDVCQICAEEKFKVGDPEEYSLFLVDETWQQLAEDTYP
 QKIKAEHLSRPQPHIFHFVYKRIKNDPYGIIFQNGEEDLTTSTRTRPLEQKLISEEDLA
 ANDILDYKDDDDKV

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 RIN2 RAB5 interacting protein 2 [Homo sapiens (human)]

Official Symbol RIN2

Synonyms RIN2; Ras and Rab interactor 2; RAB5 interacting protein 2; MACS; RASSF4; ras and

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Rab interactor 2; RAB5 interacting protein 2; RAS association (RalGDS/AF-6) domain containing protein JC265; RAS association domain family 4; RAS inhibitor JC265; RAS interaction/interference protein 2

Gene ID [54453](#)

mRNA Refseq [NM_018993](#)

Protein Refseq [NP_061866](#)

MIM [610222](#)

UniProt ID [Q8WYP3](#)

SDS-PAGE

