

Product datasheet for PH313759

RIN2 (NM_018993) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RIN2 MS Standard C13 and N15-labeled recombinant protein (NP_061866)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213759
Predicted MW:	100 kDa
Protein Sequence:	>RC213759 representing NM_018993 Red =Cloning site Green =Tags(s)

MTAWTMGARGLDKRGSF FKLIDTIASEIGELKQEMVRTDVNLENGLEPAETHSMVRHKDGGYSEEDVKT
 CARDSGYDSL SNRLSILDRLLHTHPIWLQLSLEEEAAEVLQAQPPGIFLVHKSTKMQKKVLSRLPCEF
 GAPLKEFAIKESTYTF SLESGISFADLFRLIAFYCISRDVLPFTLKL PYAISTAKSEAQL EELAQMGLN
 FWSSPADSKPPNLPPPHRPLSSDGVCPASLRQLCLINGVHSIKTRTPSELECSQTNGALCFINPLFLKVH
 SQDLSGGLKRPSTRTPNANGTERTRSPPPRPPPAINSLHTSPRLARTETQTSMPETVNHNHGHNVALPG
 TKPTPIPPRLKKQASFLAEAGGAKTSSGGRPGAGPELELGTAGSPGGAPPEAAPGDCTRAPPPSSSRP
 PCHGGRQRLSDMSISTSSDSLEFDRSMPLFGYEADTNSSLEDYEGESDQETMAPPIKSKKKRSSSVLP
 KLVKSQLQKVSGVFSFMTPEKRMVRRIAELSRDKCTYFGCLVQDYVSFLQENKECHVSSTDMLQTIHQF
 MTQVKNYLSQSSELDPPIESLIPEDQIDVLEKAMHKCILKPLKGHVEAMLKDFHMDGSKWLKENLQL
 VRQRNPQELGVFAPTPDFVDVEKIKVKFMTQMYSPEKKVMLLLRVCKLIYTVMENNSGRMYGADDFLP
 VLTYYVIAQCDMLELDTEIEYMMELLDPSLLHGGGYLTSAYGALSLIKNFQEEQAARLLSSETRDTLRQ
 WHKRRITNRTIPSVDDFQNYLRVAFQEVNSGCTGKTLVVRPYITTEDVCQICAEKFKVGDPEEYSLFLFV
 DETWQQLAEDTYPQKIKAEHLHSPQPHIFHFVYKRIKNDPYGIIFQNGEEDLTTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



[View online »](#)

RefSeq: [NP_061866](#)

RefSeq Size: 4259

RefSeq ORF: 2685

Synonyms: MACS; RASSF4

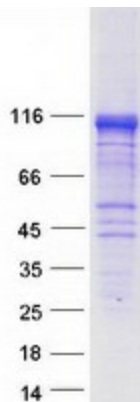
Locus ID: 54453

UniProt ID: [Q8WYP3](#), [A1A4T0](#)

Cytogenetics: 20p11.23

Summary: 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. [provided by RefSeq, Jun 2011]

Product images:



Coomassie blue staining of purified RIN2 protein (Cat# [TP313759]). The protein was produced from HEK293T cells transfected with RIN2 cDNA clone (Cat# [RC213759]) using MegaTran 2.0 (Cat# [TT210002]).