

Recombinant Human RASA3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RASA3-5905H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RASA3 MS Standard C13 and N15-labeled recombinant protein (NP_031394) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that binds inositol 1,3,4,5-tetrakisphosphate and stimulates the GTPase activity of Ras p21. This protein functions as a negative regulator of the Ras signalling pathway. It is localized to the cell membrane via a pleckstrin homology (PH) domain in the C-terminal region. Alternative splicing results in multiple transcript variants.
Molecular Mass	95.7 kDa
AA Sequence	MAVEDEGLRVFQSVKIKIGEAKNLPSYPGSPKMRDCYCTVNLDQEEVFRTKIVEKSL CPFYGEDFYCEIPRSFRHLSFYIFDRDVFRRDSIIGKVAIQKEDLQKYHNRDTSWFQLQ HVDADSEVQGKVVHLELRLSEVITDTGVVCHKLATRIVECQGLPIVNGQCDPYATVTL AGPFRSEAKKTKVKRKTNNPQFDEVFYFEVTRPCSYSKKSHFDFFEEEDVDKLEIRVD LWNASNLKFGDEFLGELRIPLKVLRLQSSSYEAWYFLQPRDNGSKSLKPDDLGLSLRL NVVYTEDHVFSSDYYSPLRDLLLKSADVEPVSAASAAHILGEVCREKQEAAPLVRLF LHYGRVVPFISAIASAEVKRTQDPNTIFRGNLASKCIDETMKLAGMHYLVHTLKPAIE EICQSHKPCEIDPVKLKDGLENLMENLRQYVDRVFHAITESGVSCPTVMCDIFFS

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LREAAAKRFQDDPDVRYTAVSSFIFLRFFAPAILSPNLFQLTPHHTDPQTSRTLTLISK
TVQTLGSLSKSKSASFKESYMATFYEFFNEQKYADAVKNFLDLISSSGRRDPKSVEQ
PIVLKEGFMKRAQGRKRFGMKNFKRWFRLTNHEFTYHKSKGDQPLYSIPIENILAV
EKLEESFKMKNMFQVIQPERALYIQANNCVEAKDWIDILTKVSQCNQKRLTVYHPS
AYLSGHWLCCRAPSDSAPGCSPCTGGLPANIQLDIDGDRETERIYSLFNLYMSKLEK
MQEACGSKSVYDGPEQEEYSTFVIDDPQETYTKLKQVIAGVGALEQEHAQYKRDKF
KKTKYGSQEHPIGDKSFQNYIRQQSETSTHSITRTRPLEQKLISEEDLAANDILDYKD
DDDKV

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 RASA3 RAS p21 protein activator 3 [Homo sapiens (human)]

Official Symbol RASA3

Synonyms RASA3; RAS p21 protein activator 3; ras GTPase-activating protein 3; GAP1IP4BP; GAP1II; GAP1(IP4BP); ins P4-binding protein; GTPase activating protein III; Ins(1,3,4,5)P4-binding protein; inositol 1,3,4,5-tetrakisphosphate-binding protein; MGC46517; MGC47588;

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Gene ID	22821
mRNA Refseq	NM_007368
Protein Refseq	NP_031394
MIM	605182
UniProt ID	Q14644
SDS-PAGE	