# Ras Gtpase-Activating Protein 3 (RASA3) Mouse Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ras GTPase-activating protein 3 (Rasa3), Recombinant Protein |
| **Full Product Name** | Recombinant Mouse Ras GTPase-activating protein 3 (Rasa3) , partial |
| **Product Gene Name** | Rasa3 recombinant protein |
| **Product Synonym Gene Name** | Rasa3 |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 95,987 Da |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q60790 |
| **Species** | Mouse |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Rasa3 recombinant protein** | This protein is member of the GAP1 family of GTPase-activating proteins. The gene product stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. This family member is an inositol 1,3,4,5-tetrakisphosphate-binding protein, like the closely related RAS p21 protein activator 2. The two family members have distinct pleckstrin-homology domains, with this particular member having a domain consistent with its localization to the plasma membrane. |
| **Other Notes** | Small volumes of Rasa3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for Rasa3 purchase** | MBS1471527 is a recombinant protein targeting Rasa3. Also known as Recombinant Mouse Ras GTPase-activating protein 3 (Rasa3) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Rasa3. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 120444918 |
| **NCBI GeneID** | 19414 |
| **NCBI Accession #** | NP_033051.2 |
| **UniProt Primary Accession #** | Q60790 |
| **UniProt Secondary Accession #** | Q6PG24; Q925V1 |

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| **UniProt Related Accession #** | Q60790 |
| **GenBank Nucleotide #** | NM_009025.2 |
| **NCBI Official Full Name** | ras GTPase-activating protein 3 |
| **NCBI Official Synonym Full Names** | RAS p21 protein activator 3 |
| **NCBI Official Symbol** | Rasa3 |
| **NCBI Official Synonym Symbols** | scat; C86362; GAPIII; hlb381; AI326412; E130011G04 |
| **UniProt Protein Name** | Ras GTPase-activating protein 3 |
| **UniProt Synonym Protein Names** | GAP1(IP4BP); GapIII; Ins P4-binding protein |
| **Protein Family** | Ras GTPase-activating protein |
| **UniProt Gene Name** | Rasa3 |
| **NCBI Protein Information** | ras GTPase-activating protein 3 |
| **UniProt Comments for Rasa3** | Inhibitory regulator of the Ras-cyclic AMP pathway. May bind inositol tetrakisphosphate (IP4). |
| **Research Articles on Rasa3** | **1.** these results support an important role for Rasa3 in PI3K-dependent integrin alphaIIbbeta3-mediated outside-in signaling and cell spreading. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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