

# Rac-like GTP-binding protein ARAC8 (ARAC8), Recombinant Protein

Cat RP05442

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Species Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Rac-like GTP-binding protein ARAC8 (ARAC8)

## Product Gene Name

ARAC8 recombinant protein

## Product Synonym Gene Name

ARAC8

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

MASSASKFIK CVTVGDGAVG KTCMLICYTS NKFPDYIPT VFDNFSVNVV VEGITVNLGL WDTAGQEDYN  
RLRPLSYRGA DVFVLAFLSI SRASYENVFK KWIPELQHFA PGVPIVLVGT KMDLREDRHY LSDHPGLSPV  
TTSQGEELRK HIGATYYIEC SSKTQQNVKA VFDAAIKVI KPAVKQKEKK KKQKPRSGCL SNILCGKN

## Sequence Positions

1-208, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

23,069 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Rac-like GTP-binding protein

## NCBI Accession #

NP\_566897.1

## NCBI GI #

18408564

## NCBI GenBank Nucleotide #

NM\_114673.3

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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## NCBI GeneID

823959

## NCBI Official Full Name

RHO-related protein from plants 10

## NCBI Official Symbol

ROP10

## NCBI Official Synonym Symbols

Arabidopsis RAC-like 8; ARAC8; ATRAC8; ATROP10; RHO-related protein from plants 10; RHO-RELATED PROTEIN FROM PLANTS 10

## NCBI Protein Information

RHO-related protein from plants 10

## NCBI Summary

Encodes a member of the Rop subfamily of Rho GTPases in Arabidopsis that contains a putative farnesylation motif. It is localized to the plasma membrane and involved in the negative regulation of ABA signalling.

## UniProt Gene Name

ARAC8

## UniProt Synonym Gene Names

ROP10

## UniProt Protein Name

Rac-like GTP-binding protein ARAC8

## UniProt Synonym Protein Names

GTPase protein ROP10

## UniProt Primary Accession #

Q9SU67

## UniProt Secondary Accession #

O82482

## UniProt Related Accession #

Q9SU67

## UniProt Comments

Acts as a negative regulator of abscisic acid (ABA) responses.

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