

# Active Recombinant Mouse RAB23, Member RAS Oncogene Family

**Cat. No.** Rab23-1102M    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>     | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>      | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b> | Rab23 is a small GTPase that belongs to the Ras superfamily. Rab proteins play an important role in various aspects of membrane traffic, including cargo selection, vesicle budding, vesicle motility, tethering, docking, and fusion. Rab23 is expressed at high levels in brain and localized to plasma membrane and endosomes. It regulates ciliary and sonic hedgehog signalling pathways and is involved in embryogenesis. |
| <b>Usage</b>       | For in vitro use only.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>        | Liquid. Supplied in 50 mM Tris-HCl, pH 8.0, 100 mM NaCl, 10 mM MgCl <sub>2</sub> , 10 μM GDP, and 2 mM mercaptoethanol.                                                                                                                                                                                                                                                                                                         |
| <b>Activity</b>    | 100 pmol of protein can bind > 80 pmol of GDP.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>      | > 90% by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>     | Quality guaranteed for 12 months, store at -80°C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                   |

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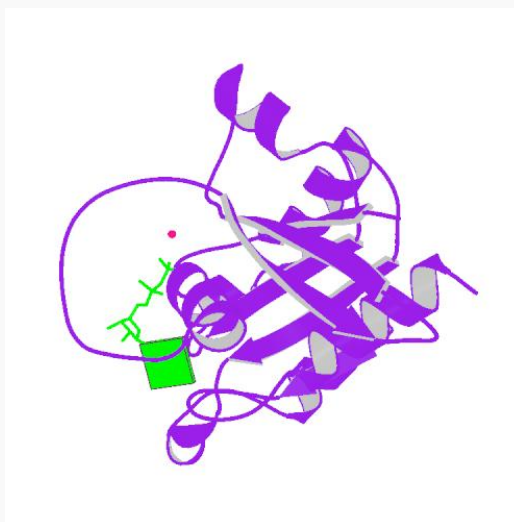
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## GENE INFORMATION

|                       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>      | Rab23 RAB23, member RAS oncogene family [ <i>Mus musculus</i> ]                                                     |
| <b>Synonyms</b>       | Rab23; RAB23, member RAS oncogene family; opb; opb2; AW545388; open brain 2; OTTMUSP00000024509; OTTMUSP00000024510 |
| <b>Gene ID</b>        | 19335                                                                                                               |
| <b>mRNA Refseq</b>    | NM_001159729                                                                                                        |
| <b>Protein Refseq</b> | NP_001153201                                                                                                        |
| <b>UniProt ID</b>     | P35288                                                                                                              |
| <b>Pathway</b>        | Hedgehog signaling pathway                                                                                          |
| <b>Function</b>       | GTP binding; nucleotide binding                                                                                     |

PDB rendering based  
on 1z22.



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