

## Active Recombinant Mouse BRSK1, GST-tagged

**Cat. No.** BRSK1-1369M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full-length mouse BRSK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Sf9 Cells                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Full length                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | BRSK1 is serine/threonine kinases 1 which required for presynaptic differentiation in Caenorhabditis elegans that are needed for neuronal polarization. BRSK1 is highly expressed in all specific adult brain regions followed by fetal brain and adult spinal cord. It is also expressed in adult heart, pancreas, testis, ovary, lung, and kidney, and in fetal liver. |
| <b>Form</b>             | Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.                                                                                                                                                                                                                                     |
| <b>Bio-activity</b>     | 460 nmol/min/mg                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | ~118 kDa                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>     | Kinase Assay, Western Blot                                                                                                                                                                                                                                                                                                                                               |

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**Storage**

Store at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.

**Concentration**

0.1 µg/µl

**GENE INFORMATION**
**Gene Name**

[Brsk1 BR serine/threonine kinase 1 \[ Mus musculus \]](#)

**Official Symbol**

BRSK1

**Synonyms**

BRSK1; BR serine/threonine kinase 1; serine/threonine-protein kinase BRSK1; serine/threonine kinase SADB; serine/threonine kinase SAD-B; BR serine/threonine-protein kinase 1; serine/threonine-protein kinase SAD-B; brain-specific serine/threonine-protein kinase 1; SADB; SAD-B; Gm1100; MGC99905;

**Gene ID**

[381979](#)

**mRNA Refseq**

[NM\\_001003920](#)

**Protein Refseq**

[NP\\_001003920](#)

**Function**

ATP binding; gamma-tubulin binding; kinase activity; magnesium ion binding; metal ion binding; nucleotide binding; protein binding; protein kinase activity; protein kinase binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; tau-protein kinase activity; tau-protein kinase activity; transferase activity; transferase activity, transferring phosphorus-containing groups;

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