

## Recombinant Mouse AATK, GST-tagged

Cat. No. AATK-6993M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse AATK (8-411) 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>	8-411 aa
<b>Description</b>	AATK or apoptosis-associated tyrosine kinase contains a tyrosine kinase domain at the N-terminus and a proline-rich domain at the C-terminus. AATK is induced during apoptosis, and expression of this protein is a necessary pre-requisite for the induction of growth arrest and/or apoptosis of myeloid precursor cells. AATK is highly detected in brain, lung, kidney, and pancreas. AATK is also shown to produce neuronal differentiation in a neuroblastoma cell line.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Molecular Mass</b>	~71 kDa
<b>Purity</b>	>95%
<b>Applications</b>	Western Blot

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**Storage** Store at  $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.

**Concentration** 0.1  $\mu\text{g}/\mu\text{l}$

## GENE INFORMATION

**Gene Name** [Aatk apoptosis-associated tyrosine kinase \[ Mus musculus \]](#)

**Official Symbol** AATK

**Synonyms** AATK; apoptosis-associated tyrosine kinase; serine/threonine-protein kinase LMTK1; lemur tyrosine kinase 1; apoptosis-associated tyrosine kinase 1B; brain apoptosis-associated tyrosine kinase; AATYK; aatyk1; mKIAA0641;

**Gene ID** [11302](#)

**mRNA Refseq** [NM\\_001198785](#)

**Protein Refseq** [NP\\_001185714](#)

**Function** ATP binding; kinase activity; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity; protein tyrosine kinase activity; transferase activity; transferase activity, transferring phosphorus-containing groups;

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