

Recombinant house mouse AATK, GST-tagged

Cat. No. AATK-3037H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AATK
Species	Mouse
Source	Sf9 Cells
ProteinLength	5706
Description	Recombinant mouse AATK (8-411) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: 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 (1). AATK is highly detected in brain, lung, kidney, and pancreas (2). AATK is also shown to produce neuronal differentiation in a neuroblastoma cell line.
Form	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~71 kDa
Applications	Western Blot (WB)
Notes	Small volumes of AATK recombinant protein may occasionally become entrapped in

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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.

Storage

Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name

Aatk apoptosis-associated tyrosine kinase [*Mus musculus*]

Official Symbol

Aatk

Synonyms

AATYK; LMTK1; KIAA0641; Aatk; Aatk; AATY; serine/threonine-protein kinase LMTK1; lemur tyrosine kinase 1; apoptosis-associated tyrosine kinase 1B; brain apoptosis-associated tyrosine kinase

Gene ID

11302

mRNA Refseq

NM_001198785

Protein Refseq

NP_001185714

UniProt ID

Q80YE4

**Chromosome
Location**

11 E2; 11

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Function

ATP binding; kinase activity; nucleotide binding

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