

Product Information

AATK, GST-tagged, mouse recombinant, expressed in *Sf9* cells

Catalog Number **SRP5351**
Storage Temperature -70°C

Synonyms: AATYK, LMTK1, KIAA0641

Product Description

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 prerequisite 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.

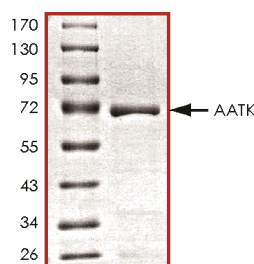
Recombinant mouse AATK (8-411) was expressed by baculovirus in *Sf9* insect cells using an N-terminal GST-tag. The gene accession number is NM_007377. It is supplied in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~71 kDa

The enzymatic activity of this product has not been determined.

Figure 1.

SDS-PAGE Gel of Typical Lot:
 $\geq 70\%$ (SDS-PAGE, densitometry)



Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at -70°C is recommended. After opening, aliquot into smaller quantities and store at -70°C . Avoid repeated handling and multiple freeze/thaw cycles.

References

1. Gaozza, E. et al., AATYK: a novel tyrosine kinase induced during growth arrest and apoptosis of myeloid cells. *Oncogene*, **15**, 3127-3135 (1997).
2. Ishikawa, K. et al., Prediction of the coding sequences of unidentified human genes. X. The complete sequences of 100 new cDNA clones from brain, which can code for large proteins *in vitro*. *DNA Res.*, **5**, 169-176 (1998).

RC,MAM 11/12-1