

AAK1 recombinant protein

AAK1, Active

CATALOG # AAA73187	HOST Sf9 insect cells	APPLICATIONS Western Blot
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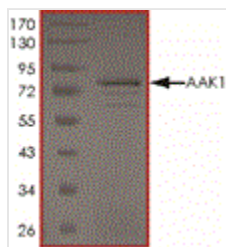
PRODUCT SYNONYMS

AAK1; Active; KIAA1048; AAK1 recombinant protein

PRODUCT SPECIFICATIONS

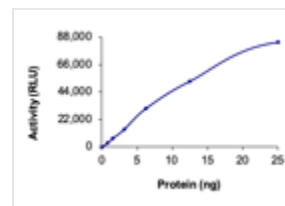
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for AAK1 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for AAK1 recombinant protein	Recombinant human AAK1 (1-465) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number for AAK1 is BC002695. Adaptor-associated kinase 1 (AAK1) is a serine/threonine protein kinase of the NAK kinase. Along with GAK, AAK1 regulates clathrin-mediated endocytosis by phosphorylating the μ subunits of both AP-1 and AP-2 trafficking adaptors. The phosphorylation increases the affinity of AP2 for membranes and induces a conformational change enabling cargo recruitment by this adaptor. AAK1 was also shown to play a positive role in regulating the Notch pathway.
Product Categories/Family for AAK1 recombinant protein	Protein Kinases; Cancer; Neurobiology; Ser/Thr Kinases

References	1. Gupta-Rossi N, et al. The adaptor-associated kinase 1, AAK1, is a positive regulator of the Notch pathway. J Biol Chem. 286(21):18720-30, 2011. 2. Conner SD, Schmid SL. Identification of an adaptor-associated kinase, AAK1, as a regulator of clathrin-mediated endocytosis. J Cell Biol. 156(5):921-9, 2002.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38114742
NCBI GeneID	22848
Molecular Weight	93,578 Da
NCBI Official Full Name	Homo sapiens AP2 associated kinase 1, mRNA
NCBI Official Synonym Full Names	AP2 associated kinase 1
NCBI Official Symbol	AAK1
NCBI Protein Information	AP2-associated protein kinase 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/aak1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73187>