

Recombinant Mouse Aak1 Protein, His&GST-tagged

Cat. No. Aak1-06M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aak1 Protein (Met1-Leu289) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Leu289
Description	Predicted to enable AP-2 adaptor complex binding activity; Notch binding activity; and protein serine/threonine kinase activity. Predicted to be involved in several processes, including positive regulation of Notch signaling pathway; protein stabilization; and regulation of clathrin-dependent endocytosis. Predicted to act upstream of or within endocytosis and phosphorylation. Predicted to be located in cell leading edge and terminal bouton. Predicted to be part of clathrin complex. Predicted to be active in cytoplasm. Is expressed in cranial ganglion; dorsal root ganglion; retina nuclear layer; and telencephalon. Orthologous to human AAK1 (AP2 associated kinase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 62 kDa Accurate Molecular Mass: 62 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Aak1 AP2 associated kinase 1 [Mus musculus (house mouse)]
Official Symbol	Aak1
Synonyms	AAK1; AP2 associated kinase 1; adaptor-associated kinase 1; C79663; R75501; AU067724; AU067726; BC028270; mKIAA1048; 9630042K20; D6Ert245e; 5530400K14Rik; MGC40785
Gene ID	269774
mRNA Refseq	NM_001040106
Protein Refseq	NP_001035195
UniProt ID	Q3UHQ0

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