

Recombinant Full Length Human AAK1 Protein, GST-tagged

Cat. No. AAK1-750HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AAK1 full-length ORF (AAH02695.1, 1 a.a. - 474 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	474 amino acids
Description	Adaptor-related protein complex 2 (AP-2 complexes) functions during receptor-mediated endocytosis to trigger clathrin assembly, interact with membrane-bound receptors, and recruit encodytic accessory factors. This gene encodes a member of the SNF1 subfamily of Ser/Thr protein kinases. The protein interacts with and phosphorylates a subunit of the AP-2 complex, which promotes binding of AP-2 to sorting signals found in membrane-bound receptors and subsequent receptor endocytosis. Its kinase activity is stimulated by clathrin. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
Molecular Mass	78.4 kDa
AA Sequence	MKKFFDSRRE QGGSGLGSGS SGGGGSTSL GSGYIGRVFG IGRQQVTVDE VLAEGGFAIV FLVRTSNGMK CALKRMFVNN EHDQLQVCKRE IQIMRDLSGH KNIVGYIDSS INNVSSGDVW EVLILMDFCR GGQVVNLMNQ RLQTGFTENE VLQIFCDTCE AVARLHQCKT PIIHRDLKVE NILLHDRGHY VLCDFGSATN

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KFQNPQTEGV NAVEDEIKKY TTLSYRAPEM VNLYSGKIIT TKADIWALGC
 LLYKLCYFTL PFGESQVAIC DGNFTIPDNS RYSQDMHCLI RYMLEPDPDK
 RPDYQVSYF SFKLLKKECP IPNVQNSPIP AKLPEPVKAS EAAAKKTQPK
 ARLTDPIPTT ETSIAPRQRP KAGQTQPNPG ILPIQPALTP RKRATVQPPP
 QAAGSSNQPG LLASVPQPKP QAPPSQPLPQ TQAKQPQAPP TPQQTPSTQA
 QGLPAQAQAT PQHQHTIKL SMKL

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name AAK1 AP2 associated kinase 1 [Homo sapiens]

Official Symbol AAK1

Synonyms AAK1; AP2 associated kinase 1; AP2-associated protein kinase 1;
 DKFZp686K16132; KIAA1048; adaptor-associated kinase 1; FLJ23712; FLJ25931;
 FLJ31060; FLJ42882; FLJ45252; MGC138170; MGC164568; MGC164570;
 DKFZp686F03202

Gene ID 22848

mRNA Refseq NM_014911

Protein Refseq NP_055726

MIM 616405

UniProt ID Q2M2I8

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