

Recombinant Human AAK1 Protein, GST-tagged

Cat. No. AAK1-017H **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	Wheat Germ
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	MKKFFDSRREQGGSGLGSGSSGGGGSTSGLGSGYIGRVFGIGRQQVTVDEVLAEG GFAIVFLVRTSNGMKCALCRMVFNNEHDLQVCKREIQIMRDLSGHKNIYGYIDSSINN VSSGDVWEVLILMDFCRGGQVVNLNMQRLQTGFTENEVLQIFCDTCEAVARLHQCK TPIIHRDLKVENILLHDRGHYVLCDFGSATNKFQNPQTEGVNAVEDEIKKYTTLSYRA PEMVNLYSGKIITTKADIWALGCLLYKLCYFTLPFGESQVAICDGNFTIPDNSRYSQD

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MHCLIRYMLEPDPDKRPDIYQVSFYFSFKLLKKECIPNVQNSPIPAKLPEPVKASEAA
AKKTQPKARLTDPIPTTETSIAPRQRPKAGQTQPNPGILPIQPALTPRKRATVQPPPQ
AAGSSNQPGLLASVPQPKPQAPPSQPLPQTQAKQPQAPPTPQQTPSTQAQGLPAQ
AQATPQHQQHTIKLSMKL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

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](#)

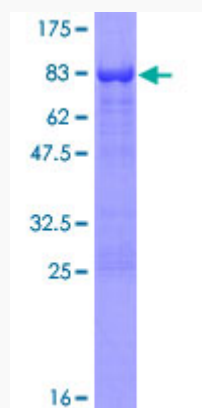
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Protein Refseq NP_055726

UniProt ID Q2M2I8



12.5% SDS-PAGE Stained with Coomassie Blue.

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