

Recombinant Human GAK Protein, Myc/DDK-tagged

Cat. No. GAK-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human cyclin G associated kinase (GAK) protein with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	In all eukaryotes, the cell cycle is governed by cyclin-dependent protein kinases (CDKs), whose activities are regulated by cyclins and CDK inhibitors in a diverse array of mechanisms that involve the control of phosphorylation and dephosphorylation of Ser, Thr or Tyr residues. Cyclins are molecules that possess a consensus domain called the 'cyclin box.' In mammalian cells, 9 cyclin species have been identified, and they are referred to as cyclins A through I. Cyclin G is a direct transcriptional target of the p53 tumor suppressor gene product and thus functions downstream of p53. GAK is an association partner of cyclin G and CDK5. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	143 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

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GENE INFORMATION

Gene Name	GAK cyclin G associated kinase [Homo sapiens (human)]
Official Symbol	GAK
Synonyms	GAK; cyclin G associated kinase; DNAJ26; DNAJC26; cyclin-G-associated kinase; auxilin-2; EC 2.7.11.1
Gene ID	2580
mRNA Refseq	NM_005255
Protein Refseq	NP_005246
MIM	602052
UniProt ID	O14976

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