

Full-Length

GAK (Human) Recombinant Protein (P01)

Catalog # H00002580-P01 Size 25 ug, 10 ug

Applications



Specification	
Product Description	Human GAK full-length ORF (AAH08668, 24 a.a 416 a.a.) recombinant protein with GST-tag at N-t erminal.
Sequence	DQSDFVGQTVELGELRLLLASPAPPLSVQSTPRGGPPAAADPFGPLLPSSGNNSQPCSNPDLF GEFLNSDSVTVPPSFPSAHSSPPPSCSADFLHLGDLPGEPSKMTASSSNPDLLGGWAAWTETA ASAVAPTPATEGPLFSPGGQPAPCGSQASWTKSQNPDPFADLGDLSSGLQGSPAGFPPGGFIP KTATTPKGSSSWQTSRPPAQGASWPPQAKPPPKACTQPRPNYASNFSVIGAREERGVRAPSFA QKPKVSENDFEDLLSNQGFSSRSDKKGPKTIAEMRKQDLAKDTDPLKLKLLDWIEGKERNIRALL STLHTVLWDGESRWTPVGMADLVAPEQVKKHYRRAVLAVHPDKAAGQPYEQHAKMIFMELNDA WSEFENQGSRPLF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	68.97
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.



Note

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

Applications

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

Gene Info — GAK	
Entrez GenelD	2580
GeneBank Accession#	BC008668
Protein Accession#	AAH08668
Gene Name	GAK
Gene Alias	FLJ16629, FLJ40395, MGC99654
Gene Description	cyclin G associated kinase
Omim ID	602052
Gene Ontology	<u>Hyperlink</u>
Gene Summary	In all eukaryotes, the cell cycle is governed by cyclin-dependent protein kinases (CDKs), whose a ctivities 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 mole cules that possess a consensus domain called the 'cyclin box.' In mammalian cells, 9 cyclin speci es have been identified, and they are referred to as cyclins A through I. Cyclin G is a direct transcr iptional target of the p53 tumor suppressor gene product and thus functions downstream of p53. GAK is an association partner of cyclin G and CDK5. [provided by RefSeq
Other Designations	-

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Product Information

- Genetic Predisposition to Disease
- Kidney Failure
- Parkinson Disease