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Product datasheet for RC223572L4V

GAK (NM_005255) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GAK (NM_005255) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GAK
Synonyms:	DNAJ26; DNAJC26
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005255
ORF Size:	3933 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC223572).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_005255.1
RefSeq Size:	4331 bp
RefSeq ORF:	3936 bp
Locus ID:	2580
UniProt ID:	O14976
Cytogenetics:	4p16.3
Domains:	pkinase, TyrKc, DnaJ, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

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MW: 143 kDa

Gene Summary: 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. [provided by RefSeq, Dec 2015]