

Product datasheet for **RG240047**

GAK (NM_001286833) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | GAK (NM_001286833) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | GAK |
| Synonyms: | DNAJ26; DNAJC26 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG240047 representing NM_001286833. Blue=ORF Red=Cloning site Green=Tag(s) |

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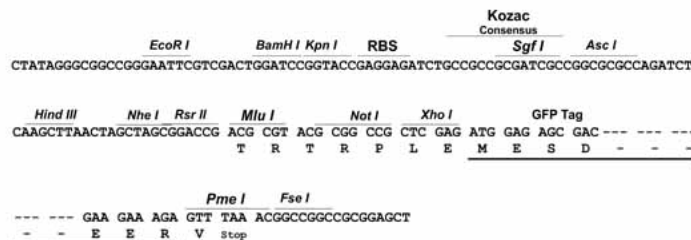
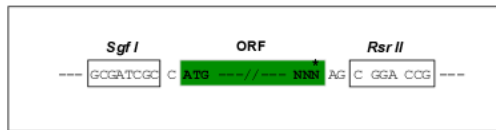
Protein Sequence: >Peptide sequence encoded by RG240047
 Blue=ORF Red=Cloning site Green=Tag(s)

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Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:

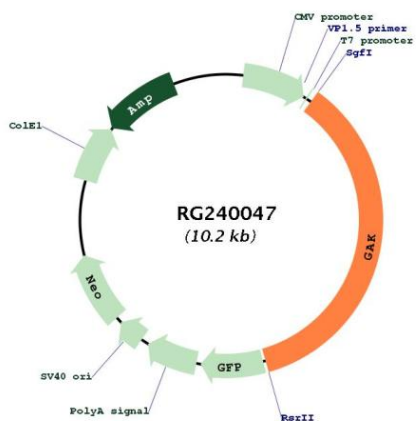


ACCN: NM_001286833

ORF Size: 3639 bp

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| 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. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| RefSeq: | NM_001286833.1 , NP_001273762.1 |
| RefSeq Size: | 4240 bp |
| RefSeq ORF: | 3642 bp |
| Locus ID: | 2580 |
| Cytogenetics: | 4p16.3 |
| Protein Families: | Druggable Genome, Protein Kinase |
| MW: | 132.6 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] |

Product images:



Circular map for RG240047