

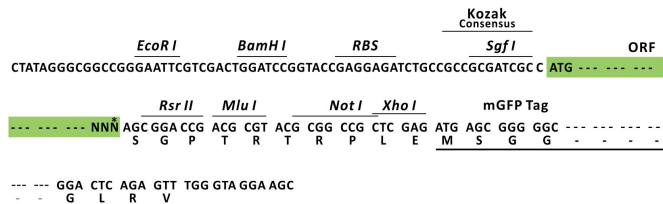
Product datasheet for RC201724L4

DAK (TKFC) (NM_015533) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAK (TKFC) (NM_015533) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	DAK
Synonyms:	DAK; NET45; TKFCD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201724).
Restriction Sites:	Sgfl-RsrII
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

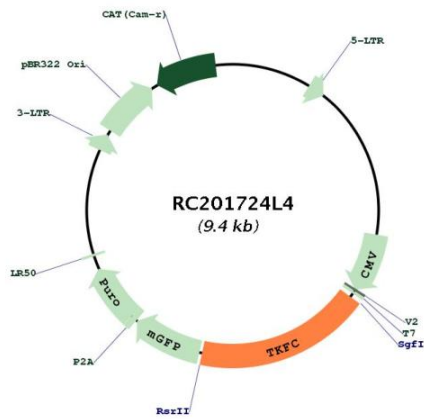
ACCN:	NM_015533
ORF Size:	1725 bp



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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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_015533.3
RefSeq Size:	4248 bp
RefSeq ORF:	1728 bp
Locus ID:	26007
UniProt ID:	Q3LXA3
Cytogenetics:	11q12.2
Domains:	Dak1, Dak2
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Metabolic pathways, RIG-I-like receptor signaling pathway
MW:	58.9 kDa
Gene Summary:	This gene is a member of the family of dihydroxyacetone kinases, which have a protein structure distinct from other kinases. The product of this gene phosphorylates dihydroxyacetone, and also catalyzes the formation of riboflavin 4',5'-phosphate (aka cyclin FMN) from FAD. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2017]

Product images:



Circular map for RC201724L4