

Product datasheet for TP301724

DAK (TKFC) (NM_015533) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dihydroxyacetone kinase 2 homolog (<i>S. cerevisiae</i>) (DAK), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201724 protein sequence Red=Cloning site Green=Tags(s)

MTSKKLVNSVAGCADDALAGLVACNPQLQLQGHVLRSDLDLSLKGRVALLSGGGSGHEPAHAGFIGKG
MLTGVIAGAVFTSPAVGSILAAIRAVAQAGTVGTLIVKNYTGDRLNFLGLAREQARAEGIPVEMVIGDD
SAFTVLKKGARRGLCGTVLIHKVAGALAEAGVGLLEEIAKQVNVAKAMGTLGVSLSSCSVPGSKPTFELS
ADEVELGLGIHGEAGVRRIKMATADEIVKLMLDHMTNTTNASHVPVQPGSSVMMVNNLGGLSFLELGI
ADATVRSLEGRGVKIARALVGTFMFALEMPGISLTLVVDEPLLLKIDAEETAAAWPNVAAVSITGRKRS
RVAPAEPQEAPDSTAAGGSASKRMALVLERVCSTLLGLEEHLNLDRAAGDGDGCGTTHSRAARAIQEWLK
EGPPPASPAQLLSKLSVLLLEKMGSSGALYGLFLTAAQPLKAKTSLPAWSAAMDAGLEAMQKYGKAAP
GDRTMLDSLWAAGQELQAWKSPGADLLQVLTAKVKSAAEAAEATKNMEAGAGRASYISSARLEQPDPGAV
AAAAILRAILEVLQS

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

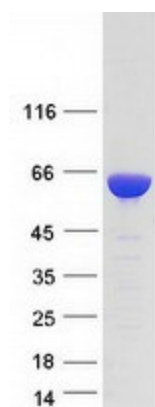
Tag:	C-Myc/DDK
Predicted MW:	58.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_056348
Locus ID:	26007
UniProt ID:	Q3LXA3 , A0A140VJH7
RefSeq Size:	4248
Cytogenetics:	11q12.2
RefSeq ORF:	1725
Synonyms:	DAK; NET45; TKFCD
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]
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Metabolic pathways, RIG-I-like receptor signaling pathway

Product images:



Coomassie blue staining of purified TKFC protein (Cat# TP301724). The protein was produced from HEK293T cells transfected with TKFC cDNA clone (Cat# [RC201724]) using MegaTran 2.0 (Cat# [TT210002]).