

## Product datasheet for PH301724

### DAK (TKFC) (NM\_015533) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DAK MS Standard C13 and N15-labeled recombinant protein (NP_056348)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201724
Predicted MW:	58.9 kDa
Protein Sequence:	>RC201724 protein sequence Red=Cloning site Green=Tags(s)

MTSKKLVNSVAGCADDALAGLVACPNLQLLQGHRVALRSDLDSLKGRVALLSGGGSGHEPAHAGFIGKG  
MLTGVIAGAVFTSPAVGSILAAIRAVAQAGTVGTLLIVKNYTGDRLNFGlareQARAEGIPVEMVIGDD  
SAFTVLKAGRRGLCGTVLIHKVAGALAEAGVLEEIAKQVNVVAKAMGTLGVSLSSCSVPGSKPTFELS  
ADEVELGLGIHGEAGVRRIKMATADEIVKLMLDHMTNTTNASHVPVQPGSSVMMVNNLGGLSFLELGII  
ADATVRSLEGRGVKIARALVGTFSALEMPGISL TLLL VDEPLLKLIDAETTAAWPNVAAVSITGRKRS  
RVAPAEPQEPDSTAAGGSASKRMALVLERVCSTLLGLEEHLNALDRAAGDGCSTHSRAARAIQEWLK  
EGPPPASPAQLLSKLSVLLLEKMGSSGALYGLFLTAAQPLKAKTSLPAWSAAMDAGLEAMQYKGAAP  
GDRTMLDSLWAAGQELQAWKSPGADLLQVLTAVKSAEAAAEEATKNMEAGAGRASYISSARLEQDPGAV  
AAAAILRAILEVLQS

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_056348</a>
RefSeq Size:	4248
RefSeq ORF:	1725



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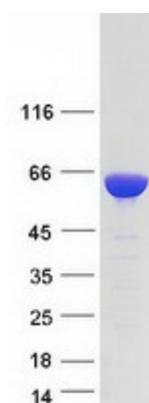
**Synonyms:** DAK; NET45; TKFCD  
**Locus ID:** 26007  
**UniProt ID:** [Q3LXA3](#), [A0A140VJH7](#)  
**Cytogenetics:** 11q12.2

**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]).