

Recombinant Human TKFC Protein, GST-tagged

Cat. No. TKFC-2655H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DKFZP586B1621 full-length ORF (AAH01341, 1 a.a. - 575 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	88.99 kDa
AA Sequence	MTSKKLVNSVAGCADDALAGLVACNPQLQLQGHRVALRSDLSLKGRVALLSGGG SGHEPAHAGFIGKGMLTGVIAGAVFTSPAVGSILAAIRAVAQAGTVGTLLIVKNYTG RLNFGlareQARAEGIPVEMVIGDDSAFTVLKKAGRRGLCGTVLIHKVAGALAEAG VGLEEIAKQVNVVAKAMGTLGVSLSSCSVPGSKPTFELSADEVELGLGIHGEAGVRR IKMATADEIVKLMLDHMTNTTNASHVPVQPGSSVMMVNNLGGLSFLELGIIADATV RSLEGRGVKIARALVGTFMSALEMPGISLTLLLVDEPLLKLIDAETTAAWPNVAAVSI TGRKRSRVAPAEPQEAPDSTAAGGSASKRMALVLERACSTLLGLEEHLNALDRAAG DGDCGTTRSRAARAIQEWLKEGPPPASPAQLLSKLSVLLLEKMGGSSGALYGLFLT AAAQPLKAKTSLPAWSAAMDAGLEAMQKYGKAAPGDRTMLDSLWAAGQELQAWK

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	SPGADLLQVLTKAVKSAEAAAEEATKNMEAGAGRASYISSARLEQPDPGAVAAAAAILR AILEVLQS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	TKFC triokinase and FMN cyclase [Homo sapiens (human)]
Official Symbol	TKFC
Synonyms	TKFC; triokinase and FMN cyclase; DAK; dihydroxyacetone kinase 2 homolog (S. cerevisiae); dihydroxyacetone kinase 2 homolog (yeast); bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing); DKFZP586B1621; NET45; DHA kinase; glycerone kinase; Dha kinase/FMN cyclase; FAD-AMP lyase cyclizing; FAD-AMP lyase cyclic FMN forming; ATP-dependent dihydroxyacetone kinase; MGC5621; DKFZp586B1621;
Gene ID	26007
mRNA Refseq	NM_015533

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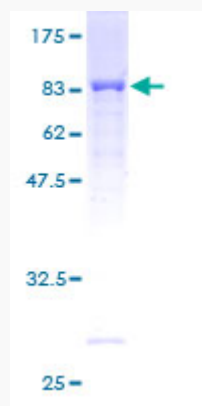
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Protein Refseq NP_056348

MIM 615844

UniProt ID Q3LXA3

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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