

Recombinant Full Length Human TKFC Protein, GST-tagged

Cat. No. TKFC-3926HF **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	In Vitro Cell Free System
ProteinLength	575 amino acids
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	MTSKKLVNSVAGCADDALAGLVACNPNLQLLQGHRVALRSDLDLKGKRVALLSGGG SGHEPAHAGFIGKGMLTGVIAGAVFTSPAVGSILAAIRAVAQAGTVGTLLIVKNYTG RLNFGGLAREQARAEGIPVEMVIGDDSAFTVLKKAGRRGLCGTVLIHKVAGALAEAG VGLEEIAKQVNVVAKAMGTLGVSLSSCSVPGSKPTFELSADEVELGLGIHGEAGVRR IKMATADEIVKLMLDHMTNTTNASHVPVQPGSSVMMVNNLGGLSFLELGIADATV RSLEGRGVKVIARALVGTFMSALEMPGISLTLLLVDEPLLKLIDAETTAAAWPNVAVSI TGRKRSRVAPAEPQEAPDSTAAGGSASKRMALVLERACSTLLGLEEHLNALDRAAG DGDCGTTTSSRAARAIQEWLKEGPPPASPAQLLSKLSVLLLEKMGGSSGALYGLFLT

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AAAQPLKAKTSLPAWSAAMDAGLEAMQKYGKAAPGDRTMLDSLWAAGQELQAWK
SPGADLLQVLTKAVKSAEAAAATKNMEAGAGRASYISSARLEQPDPGAVAAAAAILR
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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Protein Refseq	NP_056348
MIM	615844
UniProt ID	Q3LXA3

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