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Recombinant Thiamine Pyrophosphate Carrier Protein, Mitochondrial (TPC)

Catalog Number: SIPE533Hu01 **Spec: 100ug**

Product Name	Recombinant Thiamine Pyrophosphate Carrier Protein, Mitochondrial (TPC)
Catalog Number	SIPE533Hu01
Organism Species	Human
Source	Prokaryotic expression
Host	E.coli
Residues	Asn13~Val309
Tags	N-terminal His and GST Tag
Subcellular Location	MitochondrionBuffer formulation
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Original Concentration	200μg/mL
Applications	Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point	9.6
Predicted Molecular Mass	63.3kDa
Accurate Molecular Mass	63kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

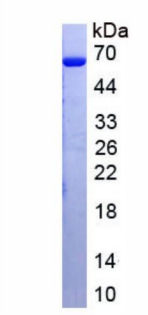
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

NTKFQVAV AGSVSGLVTR ALISPFDVIK IRFQLQHERL SRSDPSAKY HGILQASRQI LQEEGPTAFW KGHVPAQILS IGYGAVQFLS
FEMLTELVH RGSVYDAREF SVHFVCGGLA ACMATLTVHP VDVLRTRFAA QGEPKVYNT LRHAVGTMYR SEGPQVFYKG LAPTLIAIFP
YAGLQFSCYS SLKHLYKWA IPAEGKKNEN LQNLLCGSGA GVISKTLTYP LDLFKKRLQV GGFEHARAA FGQVRRYKGL MDCAKQVLQK
EGALGFFKGL SPSLLKAALS TGFMFFSYE FFCNV

[IDENTIFICATION]



[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.