

RPE468Hu01 100µg

Recombinant Thiamine Pyrophosphate Carrier Protein, Mitochondrial (TPC)

Organism Species: *Homo sapiens* (Human)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Asn13~Val309

Tags: N-terminal His and GST Tag

Subcellular Location: Mitochondrion Buffer 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 2-8°C for one month.

Aliquot and store at -80°C 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 ALISPPDVIK IRFQLQHERL SRSDPSAKY HGILQASRQI LQEEGPTAFW KGHVPAQILS IGYGAVQFLS
FEMLTELVH RGSVYDAREF SVHPVCGGLA ACMATLTVHP VDLRTRFAA QGEPKQVYNT LRHAVGTMYR SEGPQVIFYKG LAPTIAIFP
YAGLQFSCYS SLKHLYKWA IPAEGKKKEN LQNLCCGSGA GVISKTLTYP LDLFKKRLQV GGFEHARAA FGQVRRYKGL MDCAKQVLQK
EGALGFFKGL SPSLLKAALS TGMFFFSYE 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.