# **Recombinant Human TPK1 Protein (His Tag)**

Catalog Number: PKSH033104



Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Synonyms Thiamin pyrophosphokinase 1;hTPK1;Placental protein 20;PP20;Thiamine

pyrophosphokinase 1;TPK1

Species Human

Expression Host

Sequence

Met 1-Ser243

Accession

AAH68460.1

Calculated Molecular Weight

Observed molecular weight

Tag

HEK293 Cells

Met 1-Ser243

AAH68460.1

28.3 kDa

30 KDa

C-His

# **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Storage Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

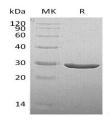
**Shipping** This product is provided as liquid. It is shipped at frozen temperature with blue

ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Reconstitution** Not Applicable

#### Data



> 95 % as determined by reducing SDS-PAGE.

## **Background**

Thiamin pyrophosphokinase 1 (TPK1), belongs to the thiamine pyrophosphokinase family. TPK1 exists as a homodimer, and is detected in heart, kidney, testis, small intestine and peripheral blood leukocytes, and at very low levels in a variety of tissues. TPK1 can catalyze the phosphorylation of thiamine to thiamine pyrophosphate. It can also catalyze the phosphorylation of pyrithiamine to pyrithiamine pyrophosphate.

#### For Research Use Only

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