

## 32-8453: Recombinant Human Thiamin Pyrophosphokinase 1/TPK1 (C-6His)

**Gene :** TPK1  
**Gene ID :** 27010  
**Uniprot ID :** Q9H3S4

### Description

Source: Human Cells.  
MW :28.2kD.

Recombinant Human Thiamin pyrophosphokinase 1 is produced by our Mammalian expression system and the target gene encoding Met1-Ser243 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MEHAFTPLELLSTGNLKYCLVILNQPLDNYFRHLWNKALLRACADGGANRLYDITEGERESFLPEFINGDFDSI  
RPEVREYYATKGCELISTPDQDHTDFTKCLKMLQKKIEEKDLKVDVIVTLGGLAGRFDQIMASVNTLFQATHITPF  
PIIIQEESLIYLLQPGKHLHVDTGMEGDWCGLIPVGQPCSQVTTTGLKWNLTNDVLAFTLVSTSNYDGSGV  
VTVETDHPLLWTMAIKSVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.