

## Product datasheet for **TP727193**

### Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Human Thiamin Pyrophosphokinase 1/TPK1 (C-6His)
<b>Species:</b>	Human
<b>Expression cDNA Clone or AA Sequence:</b>	Met1-Ser243
<b>Tag:</b>	C-His
<b>Buffer:</b>	Supplied as a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Note:</b>	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.
<b>Storage:</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
<b>Stability:</b>	12 months from date of despatch
<b>Synonyms:</b>	Thiamin pyrophosphokinase 1;hTPK1;Placental protein 20;PP20;Thiamine pyrophosphokinase 1;TPK1
<b>Summary:</b>	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.



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