

## Recombinant Human TPK1 Protein

Catalog #	Source	Reactivity	Applications
CRP2445	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human TPK1 Protein 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>Form</b>	Liquid in a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
<b>Gene Symbol</b>	TPK1		
<b>Alternative Names</b>	Thiamin pyrophosphokinase 1; hTPK1; Placental protein 20; PP20; Thiamine pyrophosphokinase 1		
<b>Entrez Gene</b>	27010 (Human)		
<b>SwissProt</b>	Q9H3S4 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	MEHAFTPLEP LLSTGNLKYC LVILNQPLDN YFRHLWNKAL LRACADGGAN RLYDITEGER ESFLPEFING DFDSIRPEVR EYYATKGCEL ISTPDQDHTD FTKCLKMLQK KIEEKDLKVD VIVTLGGLAG RFDQIMASVN TLFQATHITP FPIIIQEEES LIYLLQPGKH RLHVDTGMEG DWCGCLIPVGQ PCSQVTTTGL KWNLTNDVLA FGTLVSTSNT YDGSQVVTVE TDHPLLWTMA IKSVDHHHHH H		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
<b>Storage/Stability</b>	Store it at -20°C to -80°C for one year.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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