Recombinant Human Thiamin pyrophosphokinase 1 (TPK1)

Product Code	CSB-EP024103HU-B
Abbreviation	TPK1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9H3S4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEHAFTPLEP LLSTGNLKYC LVILNQPLDN YFRHLWNKAL LRACADGGAN RLYDITEGER ESFLPEFING DFDSIRPEVR EYYATKGCEL ISTPDQDHTD FTKCLKMLQK KIEEKDLKVD VIVTLGGLAG RFDQIMASVN TLFQATHITP FPIIIIQEES LIYLLQPGKH RLHVDTGMEG DWCGLIPVGQ PCMQVTTTGL KWNLTNDVLA FGTLVSTSNT YDGSGVVTVE TDHPLLWTMA IKS
Source	E.coli
Target Names	TPK1
Protein Names	Recommended name: Thiamin pyrophosphokinase 1 Short name= hTPK1 EC= 2.7.6.2 Alternative name(s): Placental protein 20 Short name= PP20 Thiamine pyrophosphokinase 1
Expression Region	1-243
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a protein, that exists as a homodimer, which catalyzes the conversion of thiamine to thiamine pyrophosphate. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life

of lyophilized form is 12 months at -20°C/-80°C.