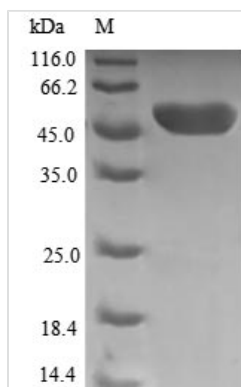




Recombinant Human Thiamin pyrophosphokinase 1 (TPK1)

Product Code	CSB-EP024103HU
Relevance	Catalyzes the phosphorylation of thiamine to thiamine pyrophosphate. Can also catalyze the phosphorylation of pyrithiamine to pyrithiamine pyrophosphate.
Abbreviation	Recombinant Human TPK1 protein
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
Alias	Placental protein 20
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MEHAFTPLEPLLSTGNLKYCLVILNQPLDNYFRHLWNKALLRACADGGANRLY DITEGERESFLPEFINGDFDSIRPEVREYYATKGCELISTPDQDHTDFTKCLKML QKKIEEKDLKVDVIVTLGGLAGRFDQIMASVNTLFQATHITPFPIIIIIQEESLIYLLQ PGKHRLHVDVTGMEGDWCGLIPVGQPCMQVTTTGLKWNLTNDVLAFGTLVST SNTYDGSGVVTVETDHPLLWTMAIKS
Research Area	others
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	1-243aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	54.3kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.