

# Recombinant Human Thiamin pyrophosphokinase 1(TPK1)

Catalog No: #AP77058

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Package Size: #AP77058-1 20ug #AP77058-2 100ug #AP77058-3 1mg

## Description

Product Name	Recombinant Human Thiamin pyrophosphokinase 1(TPK1)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-243aaSequence Info:Full Length
Other Names	Placental protein 20
Accession No.	Q9H3S4
Uniprot	Q9H3S4
GeneID	27010;
Calculated MW	54.3 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MEHAFTPLEPLLSTGNLKYCLVILNQPLDNYFRHLWKNKALLRACADGGANRLYDITEGERESFLPEFINGDFDSI RPEVREYYATKGCCELISTPDQDHTDFTKCLKMLQKKIEEKDLKVDVIVTLGGLAGRFQIMASVNTLFQATHITP FPIIIQEESLIYLLQPGKHLHVDVTGMEGDWCGLIPVGPQCMQVTTTGLKWNLNDVLAFGTLVSTSN TYDGS GVVTVETDHP LLWTMAIKS
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Catalyzes the phosphorylation of thiamine to thiamine pyrophosphate. Can also catalyze the phosphorylation of pyrithiamine to pyrithiamine pyrophosphate.

## References

"Isolation and characterization of a human thiamine pyrophosphokinase cDNA."  
Nosaka K., Onozuka M., Kakazu N., Hibi S., Nishimura H., Nishino H., Abe T.  
Biochim. Biophys. Acta 1517:293-297(2001) Research Topic:Others

Note: This product is for in vitro research use only