

Recombinant Human Thiamin pyrophosphokinase 1(TPK1)

Catalog No: #AP77058

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

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 | MEHAFTPLEPLLSTGNLKYCLVILNQPLDNYFRHLWNKALLRACADGGANRLYDITEGERESFLPEFINGDFDSI RPEVREYYATKGCELISTPDQDHTDFTKCLKMLQKKIEEKDLKVDVIVTLGGLAGRFDQIMASVNTLFQATHITP FPIIIQEESLIYLLQPGKHLHVDVTGMEGDWCGLIPVGPQCMQVTTTGLKWNLNDVLAFGTLVSTSNITYDGS GVVTVETDHPDLLWTMAIKS |
| 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