

Recombinant Human TPK1 Protein (His Tag)

Catalog Number:PKSH033104



Note: Centrifuge before opening to ensure complete recovery of vial contents.

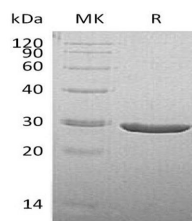
Description

Synonyms	Thiamin pyrophosphokinase 1;hTPK1;Placental protein 20;PP20;Thiamine pyrophosphokinase 1;TPK1
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Ser243
Accession	AAH68460.1
Calculated Molecular Weight	28.3 kDa
Observed molecular weight	30 KDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Thiamin pyrophosphokinase 1 (TPK1), belongs to the thiamine pyrophosphokinase family. TPK1 exists as a homodimer, and is detected in heart, kidney, testis, small intestine and peripheral blood leukocytes, and at very low levels in a variety of tissues. TPK1 can catalyze the phosphorylation of thiamine to thiamine pyrophosphate. It can also catalyze the phosphorylation of pyrithiamine to pyrithiamine pyrophosphate.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017