

Recombinant Human PANK1 Protein, His&GST-tagged

Cat. No. PANK1-1895H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PANK1 Protein (Pro234-Lys593) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro234-Lys593
Description	This gene encodes a member of the pantothenate kinase family. Pantothenate kinases are key regulatory enzymes in the biosynthesis of coenzyme A (CoA). The encoded protein catalyzes the first and rate-limiting enzymatic reaction in CoA biosynthesis and is regulated by CoA through feedback inhibition. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. This gene and an intronic miRNA on the same strand are co-regulated by the tumor suppressor p53 (see PMID 20833636).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 70.1 kDa Accurate Molecular Mass: 70 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

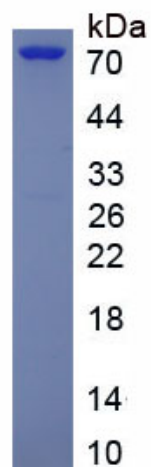
GENE INFORMATION

Gene Name	PANK1 pantothenate kinase 1 [Homo sapiens (human)]
Official Symbol	PANK1
Synonyms	PANK1; pantothenate kinase 1; PANK, pantothenate kinase; MGC24596; PANK1a; PANK1b; pantothenic acid kinase 1; PANK;
Gene ID	53354
mRNA Refseq	NM_138316
Protein Refseq	NP_612189
MIM	606160
UniProt ID	Q8TE04

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