# Recombinant Human PANK1, MYC/DDK-tagged

**Cat. No.** PANK1-32H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant protein of human pantothenate kinase 1 (PANK1), transcript variant alpha, was expressed in HEK293 cells with C-terminal MYC/DDK. |
| **Species** | Human |
| **Source** | HEK293 |
| **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. |
| **Form** | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| **Molecular Mass** | 64.2 kDa |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Concentration** | >50 ug/mL as determined by microplate BCA method |

## GENE INFORMATION

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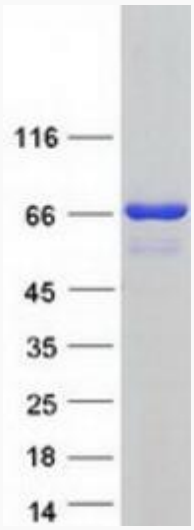
| **Gene Name** | PANK1 pantothenate kinase 1 [ Homo sapiens ] |
| **Official Symbol** | PANK1 |
| **Synonyms** | PANK1; pantothenate kinase 1; PANK, pantothenate kinase; MGC24596; PANK1a; PANK1b; pantothenic acid kinase 1; PANK |
| **Gene ID** | 53354 |
| **mRNA Refseq** | NM_138316 |
| **Protein Refseq** | NP_683878 |
| **MIM** | 606160 |
| **UniProt ID** | Q8TE04 |

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