

## Recombinant Human PANK3, MYC/DDK-tagged

Cat. No. PANK3-29H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant protein of human pantothenate kinase 3 (PANK3) was expressed in HEK293 cells with C-terminal MYC/DDK.                                                                                                                                                                                                                                                                                                                        |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Source           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Description      | <p>This gene encodes a protein belonging to the pantothenate kinase family. Pantothenate kinase is a key regulatory enzyme in the biosynthesis of coenzyme A (CoA) in bacteria and mammalian cells. It catalyzes the first committed step in the universal biosynthetic pathway leading to CoA and is itself subject to regulation through feedback inhibition by CoA. This family member is expressed most abundantly in the liver.</p> |
| Form             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                    |
| Molecular Mass   | 40.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                              |
| Concentration    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                         |

### GENE INFORMATION

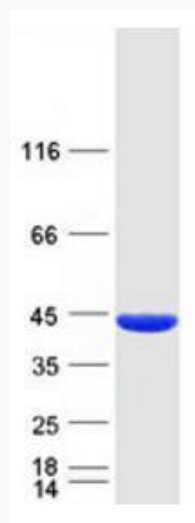
|           |                                              |
|-----------|----------------------------------------------|
| Gene Name | PANK3 pantothenate kinase 3 [ Homo sapiens ] |
|-----------|----------------------------------------------|

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|                        |                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b> | PANK3                                                                                               |
| <b>Synonyms</b>        | PANK3; pantothenate kinase 3; FLJ12899; hPanK3; pantothenic acid kinase 3; MGC16863; DKFZp686O22247 |
| <b>Gene ID</b>         | 79646                                                                                               |
| <b>mRNA Refseq</b>     | NM_024594                                                                                           |
| <b>Protein Refseq</b>  | NP_078870                                                                                           |
| <b>MIM</b>             | 606161                                                                                              |
| <b>UniProt ID</b>      | Q9H999                                                                                              |



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