

# Recombinant Human CHKA, MYC/DDK-tagged

**Cat. No.** CHKA-65H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CHKA, transcript variant 2, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The major pathway for the biosynthesis of phosphatidylcholine occurs via the CDP-choline pathway. The protein encoded by this gene is the initial enzyme in the sequence and may play a regulatory role. The encoded protein also catalyzes the phosphorylation of ethanolamine. Two transcript variants encoding different isoforms have been found for this gene. |
| <b>Molecular Mass</b>   | 50 kDa                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                         |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                               |

## GENE INFORMATION

|                  |                                                    |
|------------------|----------------------------------------------------|
| <b>Gene Name</b> | CHKA choline kinase alpha [ Homo sapiens (human) ] |
|------------------|----------------------------------------------------|

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|                            |                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | CHKA                                                                                                                                  |
| <b>Synonyms</b>            | CHKA; choline kinase alpha; CK; EK; CHK; CKI; choline kinase; CHETK-alpha; ethanolamine kinase; NP_001268.2; EC 2.7.1.32; NP_997634.1 |
| <b>Gene ID</b>             | <a href="#">1119</a>                                                                                                                  |
| <b>mRNA Refseq</b>         | <a href="#">NM_212469</a>                                                                                                             |
| <b>Protein Refseq</b>      | <a href="#">NP_997634</a>                                                                                                             |
| <b>MIM</b>                 | <a href="#">118491</a>                                                                                                                |
| <b>UniProt ID</b>          | P35790                                                                                                                                |
| <b>Chromosome Location</b> | 11q13.2                                                                                                                               |
| <b>Pathway</b>             | Acetylcholine Synthesis; Choline metabolism in cancer; Glycerophospholipid biosynthesis; Metabolic pathways                           |
| <b>Function</b>            | ATP binding; choline binding; choline kinase activity                                                                                 |

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