

Recombinant Human CHKA, MYC/DDK-tagged

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

SPECIFICATION

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| Product Overview | Recombinant Human CHKA, transcript variant 2, fused with C-terminal MYC/DDK, was expressed in HEK293 cells. |
| Species | Human |
| Source | HEK293 |
| Description | 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. |
| Molecular Mass | 50 kDa |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration | >50 ug/mL as determined by microplate BCA method |
| Storage Buffer | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |

GENE INFORMATION

Gene Name CHKA choline kinase alpha [Homo sapiens (human)]

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| Official Symbol | CHKA |
| Synonyms | 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 |
| Gene ID | 1119 |
| mRNA Refseq | NM_212469 |
| Protein Refseq | NP_997634 |
| MIM | 118491 |
| UniProt ID | P35790 |
| Chromosome Location | 11q13.2 |
| Pathway | Acetylcholine Synthesis; Choline metabolism in cancer; Glycerophospholipid biosynthesis; Metabolic pathways |
| Function | ATP binding; choline binding; choline kinase activity |

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