

Recombinant Human CHKA 293 Cell Lysate

Cat. No. CHKA-7535HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for choline kinase alpha (CHKA), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 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

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	CHKA choline kinase alpha [Homo sapiens]
Official Symbol	CHKA
Synonyms	CHKA; choline kinase alpha; CHK, choline kinase; CKI; CHETK-alpha; ethanolamine kinase; CK; EK; CHK;
Gene ID	1119
mRNA Refseq	NM_001277
Protein Refseq	NP_001268
MIM	118491
UniProt ID	P35790
Chromosome Location	11q13.1
Pathway	Acetylcholine Synthesis, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Phosphatidylcholine (PC) biosynthesis, choline =>PC, organism-specific biosystem; Phosphatidylcholine (PC) biosynthesis, choline =>

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Function

ATP binding; choline binding; choline kinase activity; drug binding; ethanolamine kinase activity; nucleotide binding; signal transducer activity;

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