



# Recombinant Human Choline kinase alpha (CHKA)

<b>Product Code</b>	CSB-EP005353HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P35790
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MKTKFCTGGE AEPSPGLLLL SCGSGSAAPA PGVGGQRDAA SDLESKQLGG QQPPLALPPP PPLPLPLPLP QPPPPQPPAD EQPEPRTRRR AYLWCKEFLP GAWRGLREDE FHISVIRGGL SNMLFQCSP DTTATLGDEP RKVLLRLYGA ILQMRSCNKE GSEQAQKENE FQGAEAMVLE SVMFAILAER SLGPKLYGIF PQGRLEQFIP SRRLDTEELS LPDISAIEAE KMATFHGMKM PFNKEPKWLF GTMEKYLKEV LRIKFTEESR IKKLHKLLSY NLPLELENLR SLLESTPSPV VFCHNDCQEG NILLLEGREN SEKQKLMLID FEYSSYNYRG FDIGNHFCEW MYDYSYKYP FFRANIRKYP TKKQQLHFIS SYLPAFQNDF ENLSTEEKSI IKEEMLLEVN RFALASHFLW GLWSIVQAKI SSIEFGYMDY AQARFDAYFH QKRKLGV
<b>Source</b>	E.coli
<b>Target Names</b>	CHKA
<b>Protein Names</b>	Recommended name: Choline kinase alpha Short name= CK EC= 2.7.1.32 Alternative name(s): CHETK-alpha Ethanolamine kinase; Short name= EK EC= 2.7.1.82
<b>Expression Region</b>	1-457
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	The major pathway for the biosynthesis of phosphatidylcholine occurs via the CDP-choline pathway. This protein 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>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.