



# Recombinant Human Inhibitor of nuclear factor kappa-B kinase subunit alpha (CHUK)

<b>Product Code</b>	CSB-EP005420HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O15111
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MERPPGLRPG AGGPWEMRER LGTGGFGNVC LYQHRELDLK IAIKSCRLEL STKNRERWCH EIQIMKKNH ANVVKACDVP EELNILHDV PLLAMEYCSG GDLRKLKLPK ENCCGLKESQ ILSLLSDIGS GIRYLHENKI IHRDLKPENI VLQDVGGKII HKIIDLGYAK DVDQGSLSCTS FVGTLQYLAP ELFENKPYTA TVDYWSFGTM VFECIAGYRP FLHHLQPFTW HEKIKKKDPK CIFACEEMSG EVRFSSHLPQ PNSLCSLVVE PMENWLQLML NWDPPQQRGGP VDLTLKQPRC FVLMDHILNL KIVHILNMTS AKIISFLLPP DESLHSLQSR IERETGINTG SQELLSETGI SLDPRKPASQ CVLDGVRGCD SYMVYLFDKS KTVYEGPFAS RSLSDCVNYI VQDSKIQLPI IQLRKVWAEA VHYVSGLKED YSRLFQQRRA AMLSLLRYNA NLTKMKNTLI SASQQLKAKL EFFHKSQILD LERYSEQMTY GISSEKMLKA WKEMEEKAIH YAEVGVIGYL EDQIMSLHAE IMELQKSPYG RRQGDLMESL EQRAIDLYKQ LKHRPSDHSY SDSTEMVKII VHTVQSQDRV LKELFGHLSK LLGCKQKIID LLPKVEVALS NIKEADNTVM FMQGKRQKEI WHLLKIACTQ SSARSLVGSS LEGAVTPQTS AWLPPTSAEH DHSLSCVVTP QDGETSAQMI EENLNCLGHL STIHEANEE QGNSMMNLDW SWLTE
<b>Source</b>	E.coli
<b>Target Names</b>	CHUK
<b>Protein Names</b>	Recommended name: Inhibitor of nuclear factor kappa-B kinase subunit alpha Short name= I-kappa-B kinase alpha Short name= IKK-A Short name= IKK- alpha Short name= IkbKA Short name= IkappaB kinase EC= 2.7.11.10
<b>Expression Region</b>	1-745
<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>	This gene encodes a member of the serine/threonine protein kinase family. The encoded protein, a component of a cytokine-activated protein complex that is an inhibitor of the essential transcription factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor via the ubiquitination pathway, thereby activating the transcription factor.



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**Reconstitution**

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.

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**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.