



# Recombinant Human Dual specificity protein kinase CLK1 (CLK1)

<b>Product Code</b>	CSB-MP005557HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P49759
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MRHSKRTYCP DWDDKDWDYG KWRSSSSSHKR RKRSHSSAQE NKRCKYNHSK MCDSHYLESR SINEKDYHSR RYIDEYRNDY TQGCEPGHRQ RDHESRYQNH SSKSSGRSGR SSYKSKHRIH HSTSHRRSHG KSHRRKRTRS VEDDEEGHLI CQSGDVLSAR YEIVDTLGEG AFGKVVECID HKAGGRHVAV KIVKNVDRYC EAARSEIQVL EHLNTTDPNS TFRCVQMLEW FEHHGHICIV FELLGLSTYD FIKENGFLPF RLDHIRKMAY QICKSVNFLH SNKLTHDLK PENILFVQSD YTEAYNPKIK RDERTLINPD IKVVDFGSAT YDDEHHSTLV STRHYRAPEV ILALGWSQPC DVWSIGCILI EYYLGFTVFP THDSKEHLAM MERILGPLPK HMIQKTRKRK YFHHDRLDWD EHSSAGRYVS RRCKPLKEFM LSQDVEHERL FDLIQKMLEY DPAKRITLRE ALKHPFFDLL KCSI
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CLK1
<b>Protein Names</b>	Recommended name: Dual specificity protein kinase CLK1 EC= 2.7.12.1 Alternative name(s): CDC-like kinase 1
<b>Expression Region</b>	1-484
<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 CDC2-like (or LAMMER) family of dual specificity protein kinases. In the nucleus, the encoded protein phosphorylates serine/arginine-rich proteins involved in pre-mRNA processing, releasing them into the nucleoplasm. The choice of splice sites during pre-mRNA processing may be regulated by the concentration of transacting factors, including serine/arginine rich proteins. Therefore, the encoded protein may play an indirect role in governing splice site selection. Multiple 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.