



# Recombinant Human Dual specificity tyrosine-phosphorylation-regulated kinase 2 (DYRK2)

<b>Product Code</b>	CSB-EP852896HU-B
<b>Abbreviation</b>	DYRK2
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q92630
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MLTRKPSAAA PAAYPTGRGG DSAVRQLQAS PGLGAGATRS GVG TGPPSPI ALPPLRASNA AAAAHTIGGS KHTMNDHLHV GSHAHGQIQV QQLFEDNSNK RTVLTTPNG LTTVGKTGLP VVPERQLDSI HRRQGSSTSL KSMEGMGKVK ATPMTPEQAM KQYMQKLTA F EHHEIFSYPE IYFLGLNAKK RQGMTGGPNN GGYDDDQGSY VQVPHDHVAY RYEV LKVI GK G SFGQVVKAY DHK VHQHVAL KMVRNEKRFH RQAAEEIRIL EHLR KQDKDN TMNVIHMLEN FTFRNHICMT FELLSMNL YE LIKKNKFQGF SLPLVRKFAH SILQCLDALH KNRIIHC DLK PENILLKQQG RSGIKVIDFG SSCYEHQRVY TYIQSRFYRA PEVILGARYG MPIDMWSLGC ILAELLTGYP LLPGEDEGDQ LACMIELLM PSQKLLDASK RAKNFVSSKG YPRYCTVTTL SDGSVVLNGG RSRRGKLRGP PESREWGNAL KGCDDPLFLD FLKQCLEWDP AVRMT PGQAL RHPWLRRLRP KPPTGEKTSV KRITESTGAI TSISKLPPPS SSASKLRTNL AQMTDANGNI QQRTVLPKLV S
<b>Source</b>	E.coli
<b>Target Names</b>	DYRK2
<b>Protein Names</b>	Recommended name: Dual specificity tyrosine-phosphorylation-regulated kinase 2 EC= 2.7.12.1
<b>Expression Region</b>	1-601
<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>	DYRK2 belongs to a family of protein kinases whose members are presumed to be involved in cellular growth and/or development. The family is defined by structural similarity of their kinase domains and their capability to autophosphorylate on tyrosine residues. DYRK2 has demonstrated tyrosine autophosphorylation and catalyzed phosphorylation of histones H3 and H2B in vitro. Two isoforms of DYRK2 have been isolated. The predominant isoform,



isoform 1, lacks a 5 terminal insert.

---

**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.

---

**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.