



Recombinant Human Dual specificity tyrosine-phosphorylation-regulated kinase 3 (DYRK3)

Product Code	CSB-EP007312HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43781
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MGGTARGPGR KDAGPPGAGL PPQQRRLGDG VYDTFMMIDE TKCPPCSNVL CNPSEPPPPR RLNMTTEQFT GDHTQHFLDG GEMKVEQLFQ EFGNRKSNTI QSDGISDSEK CSPTVSQGKS SDCLNTVKSN SSSKAPKVVP LTPEQALKQY KHHLTAYEKL EIINYPEIYF VGPNAKKRHG VIGGPNNGGY DDADGAYIHV PRDHLAYRYE VLKIIGKGSF GQVARVYDHK LRQYVALKMV RNEKRFHRQA AEEIRILEHL KKQDKTGSMN VIHMLESFTF RNHVCMAFEL LSIDLYELIK KKNFQGFVSVQ LVRKFAQSIL QSLDALHKNK IHCCLKPEN ILLKHHGRSS TKVIDFGSSC FEYQKLYTYI QSRFYRAPEI ILGSRYSTPI DIWSFGCILA ELLTGQPLFP GEDEGDQLAC MMELLGMPPP KLEEQSKRAK YFINSKGIPR YCSVTTQADG RVVLVGGRSR RGKKRGPPGS KDWGTALKGC DDYLFIEFLK RCLHWDP SAR LTPAQALRHP WISKSVPRPL TTIDKVSGKR VVNPASAFQG LGSKLPPVVG IANKLKANLM SETNGSIPLC SVLPKLIS
Source	E.coli
Target Names	DYRK3
Protein Names	Recommended name: Dual specificity tyrosine-phosphorylation-regulated kinase 3 EC= 2.7.12.1 Alternative name(s): Regulatory erythroid kinase Short name= REDK
Expression Region	1-588
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene product belongs to the DYRK family of dual-specificity protein kinases that catalyze autophosphorylation on serine/threonine and tyrosine residues. The members of this family share structural similarity, however, differ in their substrate specificity, suggesting their involvement in different cellular functions. The encoded protein has been shown to autophosphorylate on tyrosine residue and catalyze phosphorylation of histones H3 and H2B in vitro. Alternatively spliced transcript variants encoding different isoforms have been identified.
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.