

Active Recombinant Human DYRK2, GST-tagged

Cat. No. DYRK2-1397H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human DYRK2 was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
Description	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.
Form	Recombinant protein stored in 50mM tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Bio-activity	The specific activity of DYRK2 was determined to be 1250 nmol/min/mg
Molecular Mass	~95 kDa
Purity	> 75%
Applications	Kinase Assay, Western Blot

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 ug/ul
GENE INFORMATION	
Gene Name	DYRK2 dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2 [Homo sapiens (human)]
Official Symbol	DYRK2
Synonyms	DYRK2; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2; dual specificity tyrosine-phosphorylation-regulated kinase 2; EC 2.7.12.1; EC 2.7.12
Gene ID	8445
mRNA Refseq	NM_006482
Protein Refseq	NP_006473
MIM	603496
UniProt ID	Q92630
Chromosome Location	12q15
Pathway	p53 pathway
Function	ATP binding; magnesium ion binding; protein serine/threonine kinase activity

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