

Recombinant Human DYRK2, His-tagged

Cat. No. DYRK2-518H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DYRK2 (full length) was expressed in <i>aBaculovirus infected Sf9</i> cell expression system with N-terminal His tag. MW=63.5 kDa.
Species	Human
Source	Sf9 Cells
Description	Dual specificity tyrosine-phosphorylation-regulated kinase 2 is an enzyme that in humans is encoded by the DYRK2 gene. 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.
Formulated In	25mM Tris-HCl, pH 7.5, 100mM NaCl, 0.05% Tween 20, 10% glycerol and 3mM DTT.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Purity	> 50%.
Stability	>12 months at -80°C.
Full Length	Full L.

 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

GENE INFORMATION

Gene Name	DYRK2 dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2 [Homo sapiens]
Synonyms	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2; FLJ21217; FLJ21365; DYRK2; EC 2.7.12.1
Gene ID	8445
mRNA Refseq	NM_003583
Protein Refseq	NP_003574
MIM	603496
UniProt ID	Q92630
Chromosome Location	12q15
Function	ATP binding; magnesium ion binding; manganese ion binding; nucleotide binding; protein serine/threonine kinase activity; protein tyrosine kinase activity; transferase activity

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