

Recombinant Full Length Human DYRK2 Protein, GST-tagged

Cat. No. DYRK2-4077HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DYRK2 full-length ORF (AAH05809, 1 a.a. - 528 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	528 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	83.82 kDa
AA Sequence	MNDHLHVGSHAHGQIQVQQLFEDNSNKRTVLTTQPNGLTTVGKTGLPVVPERQLDS IHRRQGSSTSLKSMEGMGKVKATPMTPEQAMKQYMQKLTA FEHHEIFSYPEIYFLGL NAKKRQGMTGGPNNGGYDDDQGSYVQVPHDHVAYRYEVLKVIGKGSFGQVVKAY DHKVHQHVALKMVRNEKRFHRQA AEEIRILEHLRKQDKDNTMNVIHMLENFTFRNHI CMTFELLSMNL YELIKKNKFQGFSLPLVRKFAHSILQCLDALHKNRIIHC DLKPENILLK QQGRSGIKVIDFGSSCYEHQ RVYTYIQSRFYRAPEVILGARYGMPIDMWSLGCILAEL

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LTGYPLLPGEDEGDQLACMIELLMPSQKLLDASKRAKNFVSSKGYPRYCTVTTLSD
 GSVVLNGGRSRRGKLRGPPESEWGNALKGCDPLFLDFLKQCLEWDPVRMTP
 GQALRHPWLRRRLPKPPTGEKTSVKRITESTGAITSISKLPPPSSSASKLRTNLAQMT
 DANGNIQQRVLPKLVS

Applications

Kinase Assay
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [DYRK2 dual-specificity tyrosine-\(Y\)-phosphorylation regulated kinase 2 \[Homo sapiens \]](#)

Official Symbol [DYRK2](#)

Synonyms DYRK2; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2; dual specificity tyrosine-phosphorylation-regulated kinase 2; FLJ21217; FLJ21365;

Gene ID [8445](#)

mRNA Refseq [NM_003583](#)

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Protein Refseq	NP_003574
MIM	603496
UniProt ID	Q92630

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