

Recombinant Human DYRK2 Protein, GST-tagged

Cat. No. DYRK2-2987H **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	Wheat Germ
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	MNDHLHVGSHAHGQIQVQQLFEDNSNKRTVLTTPNGLTTVGKTGLPVVPERQLDS IHRRQGSSTSLKSMEGMGKVKATPMTPEQAMKQYMQKLTA FEHHEIFSYPEIYFLGL NAKKRQGMTGGPNNGGYDDDQGSYVQVPHDHVAYRYEVLKVIGKGSFGQVVKAY DHKVHQHVALKMVRNEKRFHRQA AEEIRILEHLRKQDKDNTMNVIHMLENFTFRNHI CMTFELLSMNL YELIKKNKFQGFSLPLVRKFAHSILQCLDALHKNRIIHC DLKPENILLK QQGRSGIKVIDFGSSCYEHQRVYTYIQSRFYRAPEVILGARYGMPIDMWSLGCILAEL LTGYPLLPGEDEGDQLACMIEL LGMPSQKLLDASKRAKNFVSSKGYPRYCTVTTLSD

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GSVVLNGGRSRRGKLRGPPESEWGNALKGCDPLFLDFLKQCLEWDPVRMTP
GQALRHPWLRRRLPKPPTGEKTSVKRITESTGAITSISKLPPPSSSASKLRTNLAQMT
DANGNIQQRTVLPKLVS

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

Protein Refseq NP_003574

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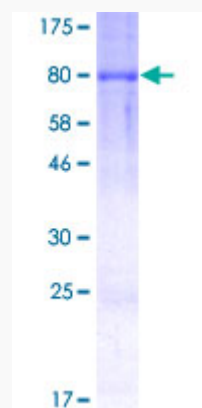
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MIM 603496

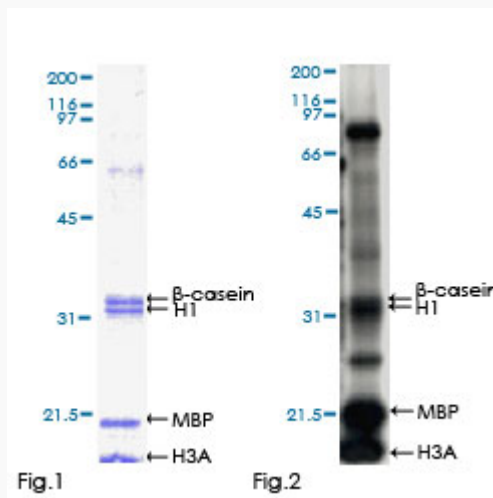
UniProt ID Q92630

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

Kinase Assay



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