

Recombinant Human DYRK2, GST-tagged

Cat. No. DYRK2-12238H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DYRK2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-300a.a.
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.
Source	E.coli
Species	Human
Tag	GST
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

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Storage Buffer

1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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

MIM

603496

UniProt ID

Q92630

Chromosome Location

12q15

Pathway

p53 pathway, organism-specific biosystem;

Function

ATP binding; magnesium ion binding; manganese ion binding; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; protein tyrosine kinase activity; ubiquitin

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binding;

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