

Bioactive

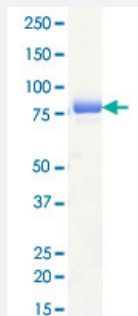
Full-Length

# DYRK2 (Human) Recombinant Protein

Catalog # P5541

Size 5 ug

## Applications



## Result of activity analysis

Result of activity analysis

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## Specification

<b>Product Description</b>	Human DYRK2 (NP_003574.1, 1 a.a. - 528 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
<b>Host</b>	insect
<b>Theoretical MW (kDa)</b>	87
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus infected insect cell (Sf21) expression system
<b>Purification</b>	Glutathione sepharose chromatography
<b>Purity</b>	98 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: DYRKtide-F. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — DYRK2

Entrez GeneID	<a href="#">8445</a>
Protein Accession#	<a href="#">NP_003574.1</a>
Gene Name	DYRK2
Gene Alias	FLJ21217, FLJ21365
Gene Description	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2
Omim ID	<a href="#">603496</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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]
Other Designations	-