

Active Recombinant Human DYRK1B Protein, GST-tagged

Cat. No. DYRK1B-2983H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DYRK1B (NP_004705.1, 1 a.a. - 629 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
Description	This gene encodes a member of a family of nuclear-localized protein kinases. The encoded protein participates in the regulation of the cell cycle. Expression of this gene may be altered in tumor cells, and mutations in this gene were found to cause abdominal obesity-metabolic syndrome 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
Form	Liquid
Bio-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 μM.
Molecular Mass	96 kDa
Purity	81 % by SDS-PAGE/CBB staining

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Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)

GENE INFORMATION

Gene Name	DYRK1B dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B [Homo sapiens]
Official Symbol	DYRK1B
Synonyms	DYRK1B; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B; dual specificity tyrosine-phosphorylation-regulated kinase 1B; minibrain related kinase; MIRK; mirk protein kinase; minibrain-related kinase;
Gene ID	9149
mRNA Refseq	NM_004714
Protein Refseq	NP_004705
MIM	604556
UniProt ID	Q9Y463

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