Recombinant Human DYRK1B Protein, GST-tagged

Cat. No. DYRK1B-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human DYRK1B was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
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.
Molecular Mass	106 kDa
Purity	>90%
Stability	One year at -70 centigrade from the date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.5 μg/μL

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Storage Buffer	50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.

GENE INFORMATION

Gene Name	DYRK1B dual specificity tyrosine phosphorylation regulated kinase 1B [Homo sapiens (human)]
Official Symbol	DYRK1B
Synonyms	DYRK1B; dual specificity tyrosine phosphorylation regulated kinase 1B; MIRK; AOMS3; dual specificity tyrosine-phosphorylation-regulated kinase 1B; dual specificity tyrosine-(Y)-phosphorylation regulated kinase 1B; minibrain-related kinase; mirk protein kinase; EC 2.7.12.1
Gene ID	9149
mRNA Refseq	NM_004714
Protein Refseq	NP_004705
MIM	604556
UniProt ID	Q9Y463
Specific Activity	The specific activity of DYRK1B was determined to be 550 nmol/min/mg as per activity assay protocol.

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Purity	The purity of DYRK1B was determined to be >90% by densitometry.

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