

Recombinant Human DYRK1B Protein (A2-S629), Tag Free

Cat. No. DYRK1B-0396H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-DYRK1b(A2-S629 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	A2-S629
Description	Dual-specificity kinase which possesses both serine/threonine and tyrosine kinase activities. Plays an essential role in ribosomal DNA (rDNA) double-strand break repair and rDNA copy number maintenance. During DNA damage, mediates transcription silencing in part via phosphorylating and enforcing DSB accumulation of the histone methyltransferase EHMT2. Enhances the transcriptional activity of TCF1/HNF1A and FOXO1. Inhibits epithelial cell migration. Mediates colon carcinoma cell survival in mitogen-poor environments. Inhibits the SHH and WNT1 pathways, thereby enhancing adipogenesis. In addition, promotes expression of the gluconeogenic enzyme glucose-6-phosphatase catalytic subunit 1 (G6PC1).
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	DYRK1B dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B [Homo sapiens (human)]
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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