

# Recombinant Full Length Human DYRK1B Protein, GST-tagged

**Cat. No.** DYRK1B-4075HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DYRK1B full-length ORF ( NP_004705.1, 1 a.a. - 629 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 629 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | 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]                                           |
| <b>Molecular Mass</b>   | 95.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MAVPPGHGPFSGFPGPQEHTQVLPDVRLPRRLPLAFRDATSAPLRKLSVDLIKTYK<br>HINEVYYAKKKRRAQQAPPQDSSNKKEKKVLNHGYDDDNHDYIVRSGERWLERYEI<br>DSLIGKGSFGQVVKAYDHQTQELVAIKIKNKKAFLNQAQIELRLLLELMNQHDTEMKY<br>YIVHLKRHFMRNHLCLVFELLSYNLYDLLRNTHFRGVSLNLTRKLAQQLCTALLFLA<br>TPELSIIHCDLKPENILLCNPKRSAIKIVDFGSSCQLGQRIYQYIQSRFYRSPEVLLGTP<br>YDLAIDMWSLGCILVEMHTGEPLFSGSNEVDQMNRIVEVLGIPPAAMLDQAPKARKY<br>FERLPGGGWTLRRTKELRKDYQGGPTRRLQEV LGVQTGGPGGRRAGEPGHSPAD |

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YLRFQDLVLRMLEYEPAAARISPLGALQHGFRRRTADEATNTGPAGSSASTSPAPLDT  
 CPSSSTASSISSSGSSGSSSDNRTYRYSNRYCGGPGPPITDCMNSPQVPPSQPL  
 RPWAGGDVPHKTHQAPASASSLPGTGAQLPPQPRYLGRPPSPTSPPPPELMDVSL  
 VGGPADCSPPHPAPAPQHPAASALRTRMTGGRPPLPPPDDPATLGPHLGLRGVPQ  
 STAASS

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes** Best use within three months from the date of receipt of this protein.

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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](#)

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|                |           |
|----------------|-----------|
| Protein Refseq | NP_004705 |
| MIM            | 604556    |
| UniProt ID     | Q9Y463    |

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