

Active Recombinant Human DYRK3 protein, His&GST-tagged

Cat. No. DYRK3-972H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human DYRK3 protein(O43781-1) (Met 1-Ser 588) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-588 aa
Form	Supplied as sterile 20mM Tris, 500mM NaCl, 0.5mM PMSF, 10% gly, pH 8.0.
Bio-activity	The specific activity was determined to be 22 nmol/min/mg using synthetic DYRKtide peptide (RRRFRPASPLRGPPK) as substrate.
Molecular Mass	The recombinant human DYRK3/GST chimera consists of 825 amino acids and has a calculated molecular mass of 93.5 kDa. It migrates as an approximately 80 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name

DYRK3 dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3 [Homo sapiens]

Official Symbol

DYRK3

Synonyms

DYRK3; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3; dual specificity tyrosine-phosphorylation-regulated kinase 3; dual specificity tyrosine (Y) phosphorylation regulated kinase 5; hYAK3 2; protein kinase Dyrk3; RED; REDK; regulatory erythroid kinase; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 5; DYRK5; hYAK3-2;

Gene ID

8444

mRNA Refseq

NM_001004023

Protein Refseq

NP_001004023

MIM

603497

UniProt ID

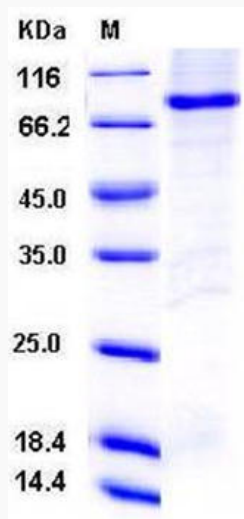
O43781

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SDS-PAGE



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