

AR51540PU-N

Human DYRK1A (159-479, His-tag) - Purified

Alternate names:	DYRK, Dual specificity YAK1-related kinase, Dual specificity tyrosine-phosphorylation-regulated kinase 1A, HP86, MNB, MNBH, Protein kinase minibrain homolog
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	DYRK1A is a member of the dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) family. This member contains a nuclear targeting signal sequence, a protein kinase domain, a leucine zipper motif, and a highly conservative 13-consecutive-histidin6e repeat. It catalyzes its autophosphorylation on serine/threonine and tyrosine residues. It may play a significant role in a signaling pathway regulating cell proliferation and may be involved in brain development.
Uniprot ID:	Q63470
NCBI:	NP_036923
GeneID:	25255
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >80% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Description:	Recombinant human DYRK1A protein, fused to His-tag at N-terminus, was expressed in E.coli . AA Sequence: MGSSHHHHH SSGLVPRGSH RSYEIDSLIG KGSFGQVVKA YDRVEQEWVA IKIKNKKAF LNQAQIEVRL LELMNKHDTE MKYYIVHLKR HFMFRNHLCL VFEMLSYNLY DLLRNTNFRG VSLNLTRKFA QQMCTALLFL ATPELSIHC DLKPENILLC NPKRSAIKIV DFGSSCQLGQ RIYQYIQSRF YRSPEVLLGM PYDLAIDMWS LGCILVEMHT GEPLFSGANE VDQMKNKIVEV LGIPPAHILD QAPKARKFFE KLPDGTWSLK KTKDGKREYK PPGTRKLHNI LGVETGGPGG RRAGESGHTV ADYLKFKDLI LRMLDYDPKT RIQPYYALQH SFF Molecular weight: 39.4 kDa (343 aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Pryor A., Tung L. et al. (2004). Nucleic Acids Res. 32:1857-1865

Pictures:

