

32-2999: DYRK1A Recombinant Protein

Alternative Name Dual Specificity Yak1-related kinase,Dyrk; PSK47,Dual specificity tyrosine-phosphorylation-regulated kinase 1A,Dual specificity YAK1-related kinase,Protein kinase minibrain homolog,RP86,Dyrk1a,MNBH.

Description

Source : Escherichia Coli. DYRK1A Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 343 amino acids (159-479a.a) and having a molecular mass of 39.4kDa. DYRK1A is fused to a 22 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Dual-Specificity Tyrosine-(Y)-Phosphorylation Regulated 1A (DYRK1A) belongs to the dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) family. DYRK1A includes a nuclear targeting signal sequence, a leucine zipper motif and a protein kinase domain. DYRK1A catalyzes its autophosphorylation on serine/threonine and tyrosine residues and takes part in a signaling pathway regulating cell proliferation. DYRK1A has a substrate preference for proline at position P+1 and arginine at position P-3.

Product Info

Amount :	20 µg
Purification :	Greater than 80% as determined by SDS-PAGE.
Content :	The DYRK1A solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSSLVPRGSH RSYEIDSLIG KGSFGQVVKA YDRVEQEWVA IKIKNKKAF LNQAQIEVRL LELMNKHDTM KYIYIVHLKR HFMFRNHLCL VFEMLSYNLY DLLRNTNFRG VSLNLRKFA QQMCTALLFL ATPELSIIHC DLKPENILLC NPKRSAIKIV DFGSSCQLGQ RIYQYIQRFR YRSPEVLLGM PYDLAIDMWS LGCILVEMHT GEPLFSGANE VDQMNKIVEV LGIPPAHILD QAPKARKFFE KLPDGTWSLK KTKDGKREYK PPGTRKLHNI LGVETGGPGG RRAGESGHTV ADYLKFKDLI LRMLDYDPKT RIQPYALQH SFF.