

DYRK4 recombinant protein

DYRK4, Active

CATALOG # AAA73400	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

DYRK4; Active; DYRK4 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for DYRK4 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for DYRK4 recombinant protein	Recombinant full-length human DYRK4 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_003845. DYRK4 or dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4 plays an important role in cell proliferation, survival, and development (1). Northern blot analysis shows DYRK4 is highly expressed in the testis with a very restricted expression to stage VIII postmeiotic spermatids (2). Analysis of a DYRK4 deficient mouse line showed that DYRK4 is dispensable for male fertility, hence suggesting a functional redundancy of some DYRK isoforms during spermiogenesis. DYRK4 protein contains a DYRK homology box in its N-terminal half, followed by a central kinase domain with a YxY loop.
Product Categories/Family for DYRK4 recombinant protein	Protein Kinases ; AKT/PKB Pathway ; Apoptosis/Autophagy ; Cancer ; Cardiovascular Disease ; Inflammation ; Invasion/Metastasis ; Metabolic Disorder ; Neurobiology ; NfκB Pathway ; Ser/Thr Kinases ; WNT Signaling
References	1. Zhang, D. et.al:DYRK gene structure and erythroid-restricted features of DYRK3 gene expression. Genomics 85: 117-130, 2005. 2. Becker, W. et.al:Sequence characteristics, subcellular localization, and substrate specificity of DYRK-related kinases, a novel family of dual specificity protein kinases. J. Biol. Chem. 273: 25893-25902, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_003845
Molecular Weight	~90kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/dyrk4-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73400>