

DYRK3 recombinant protein

DYRK3, Active

CATALOG # AAA73399	HOST E Coli	APPLICATIONS Western Blot
------------------------------	-----------------------	-------------------------------------

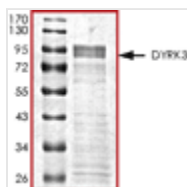
PRODUCT SYNONYMS

DYRK3; Active; RED; REDK; DYRK5; DYRK3 recombinant protein

PRODUCT SPECIFICATIONS

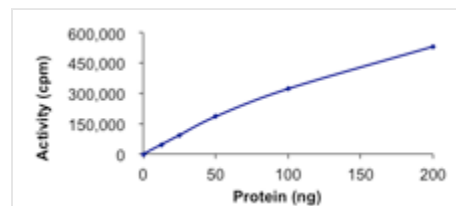
Host	E Coli
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for DYRK3 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped 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 DYRK3 recombinant protein	Recombinant human DYRK3 (63-end) was expressed in E Coli cells using an N-terminal GST tag. The gene accession number is NM_001004023. DYRK3 or dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3 is belongs to the DYRK family of dual-specificity protein kinases that catalyze autophosphorylation on serine/threonine and tyrosine residues. DYRK3 expressed in E Coli undergoes tyrosine autophosphorylation and catalyzes phosphorylation of histones H3 and H2B in vitro (1). DYRK3 regulate different steps of the caveolar cycle (2). DYRK3 can promote cell survival through phosphorylation and activation of SIRT1. DYRK3 directly phosphorylate SIRT1 at Thr(522), promoting deacetylation of p53.
Product Categories/Family for DYRK3 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. 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.
2. Pelkmans, L. et.al: Kinase-regulated quantal assemblies and kiss-and-run recycling of caveolae. Nature 436: 128-133, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_001004023](#)

Molecular Weight

~95kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/dyrk3-recombinant-protein-e-coli-wb-western-blot-kinase-assay/73399>