Recombinant Human DYRK3 (N-GST tag)

Cat No:HR2R1333

For research use only

Overview

Quantity	10 ?g
Gene Symbol	DYRK3
Gene ID	N/A
Accession	NM_001004023
Alternative Name	RED, REDK, DYRK5
Species	Human
Source	Insect cells
Description	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 . DYRK3 regulate different steps of the caveolar cycle . DYRK3 can promote cell survival through phosphorylation and activation of SIRT1. DYRK3 directly phosphorylate SIRT1 at Thr(522), promoting deacetylation of p53.
Functions	The specific activity of DYRK3 was determined to be242 nmol /min/mg as per activity assay protocol
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	95
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?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.