Recombinant Human DMPK (N-GST tag)

Cat No:HR2R1328

For research use only

Overview

Quantity	10 ?g
Gene Symbol	DMPK
Gene ID	N/A
Accession	NM_004409
Alternative Name	DM, DM1, DMK, MDPK, DM1PK, MT-PK
Species	Human
Source	Insect cells
Description	DMPK (or Myotonic Dystrophy Protein Kinase) is a serine-threonine kinase that is closely related to other kinases that interact with members of the Rho family of small GTPases. DMPK protein has a leucine-rich domain at the N-terminus, a serine/threonine kinase domain in the middle, and a hydrophobic region at the C-terminus. The N-terminus of DMPK plays an important role in DMPK kinase activity, and the C-terminus of DMPK determines the intracellular localization of the protein . Myotonic dystrophy type 1 is an autosomal dominant disease caused by a trinucleotide repeat-expansion, cytosine-thymine-guanine (CTG)n, in the 3' untranslated region of DMPK .
Functions	The specific activity of DMPK was determined to be 4.5 nmol/min/mg as per activity assay protoco
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	105
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.