Recombinant Human AMPK (A1/B1/G2) (C-His tag)

Cat No:HR2R1141

For research use only

Overview

Quantity	10 ?g
Gene Symbol	AMPK (A1/B1/G2)
Gene ID	N/A
Accession	NM_006251, NM_006253, NM_001040633
Alternative Name	Subunit A1: PRKAA1, MGC33776, MGC57364 Subunit B1: PRKAB1, AMPK, HAMPKb, MGC17785 Subunit G2: PRKAG2, AAKG, CMH6, WPWS, AAKG2, H91620p
Species	Human
Source	Insect cells
Description	AMP-activated protein kinase (AMPK) exhibits a key role as a master regulator of cellular energy homeostasis . AMPK exists as a heterotrimeric complex composed of a catalytic a subunit and regulatory ? and ? subunits. Binding of AMP to the ? subunit allosterically activates the complex. AMPK is activated in response to stresses that deplete cellular ATP (low glucose, hypoxia and ischemia) and via signaling pathways in response to adiponectin, leptin and CAMKK?.
Functions	The specific activity of AMPK was determined to be 980 nmol /min/mg as per activity assay protoco
Formulation	50mM NaPhosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.2mM DTT, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	68
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.