

Recombinant Human NUA2 (N-GST tag)

Cat No:HR2R1808

For research use only

Overview

Quantity	10 ?g
Gene Symbol	NUAK2
Gene ID	N/A
Accession	NM_030952
Alternative Name	SNARK, FLJ90349, DKFZP434J037, DKFZp686F01113
Species	Human
Source	Insect cells
Description	NUAK2 or SNF1/AMP kinase-related kinase (SNARK) is a member of the NUA2 family of SNF1-like kinase 2. NUA2 is activated by muscle contraction and is a unique mediator of contraction-stimulated glucose transport in skeletal muscle . NUA2 is involved in cellular stress responses linked to obesity and type 2 diabetes. NUA2 shows kinase activity against a synthetic test peptide and the activity in keratinocytes is increased by AMP and 5-amino-4-imidazolecarboxamide riboside, implying that AMPK kinase-dependent pathway can activate NUA2. Glucose deprivation also increases NUA2 activity in baby hamster kidney fibroblasts.
Functions	The specific activity of NUA2 was determined to be 80 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	110
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.