

NUAK1

Recombinant Human NUAK1/SNF1-like Kinase 1 Active GST-His

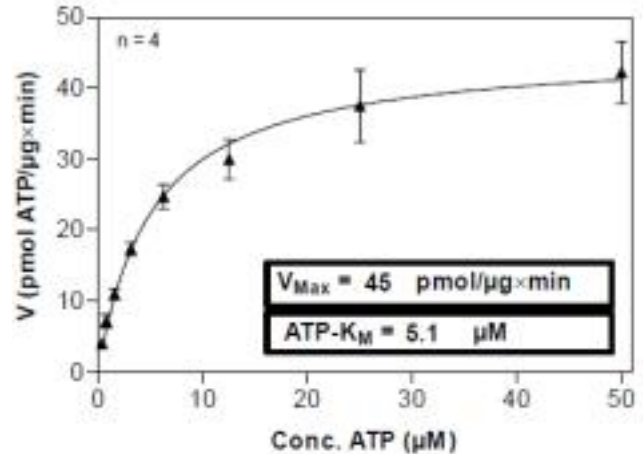
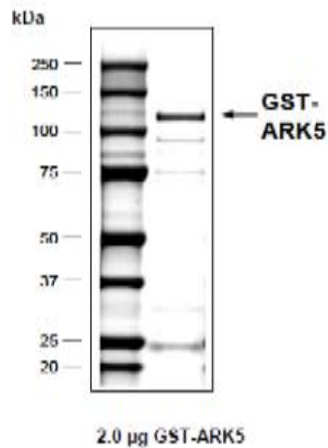
Catalog No.	CRA020A	Quantity:	10 µg
Alternate Names:	ARK5, KIAA0537, AMP-activated protein kinase family member 5, AMPK-related protein kinase 5		
Description:	Human ARK5. Amino acids M ₁ -N ₆₆₁ (as in GenBank entry NM_014840)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.093 µg/µl		
Gene ID:	9891		
Protein Accession No:	NM_014840		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	104,220 Da		
Formulation:	50 mM Tris-HCl + pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	ARK5 product identity was confirmed by mass spectroscopy LC-ESI-MS/MS		
Specific Activity:	45 pmol/µg×min Method for determination of K _m value and specific activity: Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl ₂ 3 mM MnCl ₂ 3 µM Na-orthovanadate 1.2 mM DTT 50 µg / ml PEG _{20,000} ATP (variable) Substrate: CHKtide-peptide (KKKVSRSGLYRSPSPENLNRP), 50 µg / ml Recombinant ARK5: 4 µg / ml • Filter binding assay MSPH membrane (Millipore)		



Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:

Coomassie stain:



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