

AURKB

Recombinant Human Aurora Kinase B (aa 2-344) Active GST-His

Catalog No.	CSI10916	Quantity:	50 µg
Alternate Names:	AIK2, AIM-1, AIM1, ARK2, AurB, IPL1, STK12, STK5, aurora-1, aurora-B, serine/threonine kinase 12		
Description:	Human Aurora-B, full length, amino acids A2-A344 (as in GenBank entry NM_004217)*, N-terminal GST-HIS ₆ fusion protein (His tag) with a Thrombin cleavage site, expressed in Sf9 insect cells *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.196 µg/µl		
Gene ID:	9212		
Protein Accession No:	NM_004217		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 70,073 Da		
Formulation:	50 mM HEPES pH 7.5 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol		
Purification:	GST-Affinity Chromatography		
Product Identity:	Aurora-B was confirmed as Aurora-B by mass spectroscopy LCESI-MS/MS		
Specific Activity:	37 pmol/µg×min		

Method for determination of K_m value and specific activity:

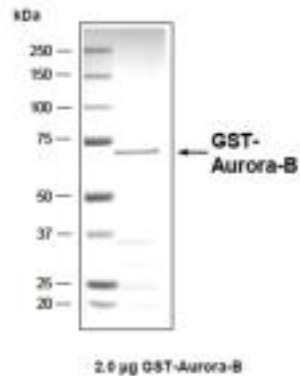
- Assay conditions:
60 mM HEPES-NaOH, pH 7.5
3 mM MgCl₂
3 mM MnCl₂
3 µM Na-orthovanadate
1.2 mM DTT
2.5 µg / 50 µl PEG_{20,000}
ATP (variable)
Substrate: tetra(LRRLSLG), 5 µg / 50 µl
Aurora-B: 200 ng / 50 µl
- Filter binding assay
MSPH membrane (Millipore)

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

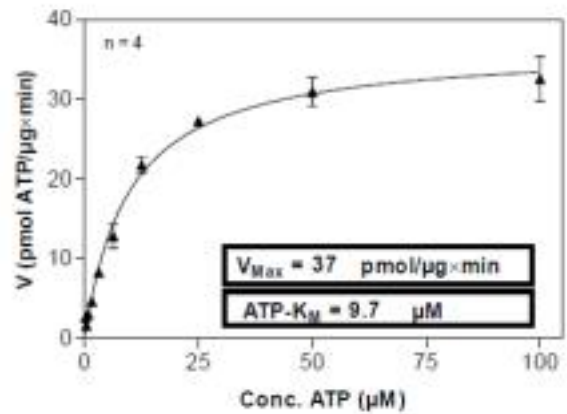
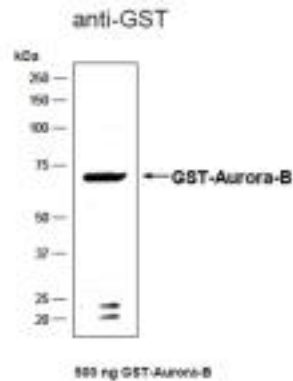


Determination of K_m value for ATP:

Coomassie stain:



Western blot analysis:



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