

TSSK2

Recombinant Human TSSK2 Active GST-His

Catalog No.	CRT014	Quantity:	50 µg
Alternate Names:	TSK2, DGS-G, SPOGA2, STK22B		
Description:	Human TSK2 Amino acids M ₁ -T ₃₅₈ (as in GenBank entry NM_053006)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site. *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.378 µg/µl		
Gene ID:	23617		
Protein Accession No:	NM_053006		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 73,916 Da		
Formulation:	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	TSK2, was confirmed as human TSK2 by mass spectroscopy LC-ESI-MS/MS		
Specific Activity:	6 pmol/µg×min		

Method for determination of K_m value and specific activity:

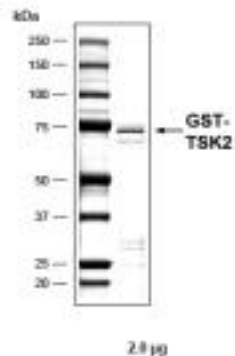
- Assay conditions:
 60 mM HEPES-NaOH, pH 7.5
 3 mM MgCl₂
 3 mM MnCl₂
 3 µM Na-orthovanadate
 1.2 mM DTT
 2.5 µg / 50 µl PEG_{20,000}
 ATP (variable)
 Substrate: Histone H2A, 2.5 µg / 50 µl
 Recombinant TSK2: 200 ng / 50 µl
- Filter binding assay
 MAFC membrane (Millipore)



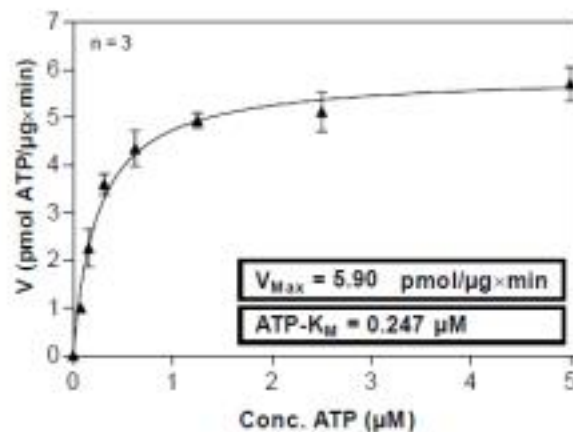
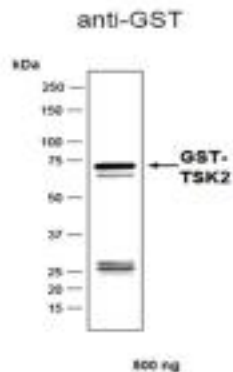
Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:

Coomassie stain:



Western blot analysis:



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