

STK16

Recombinant Human STK16/TSF1 Active GST-His

Catalog No.	CRT013	Quantity:	50 µg
Alternate Names:	FLJ39635, KRCT, MPSK, PKL12, TSF1, protein kinase expressed in day 12 fetal liver		
Description:	Human TSF1 - Amino acids M ₁ -I ₃₀₅ (as in GenBank entry NM_003691.1)*, N-terminally fused to GST-HIS6-Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	1.020 µg/µl		
Gene ID:	8576		
Protein Accession No:	NP_003169.1		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 64,393 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		
Specific Activity:	4 pmol/µg×min		

Method for determination of K_m value and specific activity:

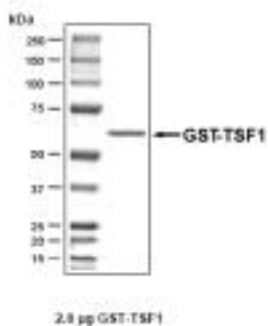
- Assay conditions:
60 mM HEPES-NaOH, pH 7.5
3 mM MgCl₂
3 mM MnCl₂
3 µM Na-orthovanadate
1.2 mM DTT
2.5 µg / 50 µl PEG_{20,000}
ATP (variable)
Substrate: Casein, 10 µg / 50 µl
Recombinant TSF1: 100 ng / 50 µl
- Filter binding assay
MAFC membrane (Millipore)



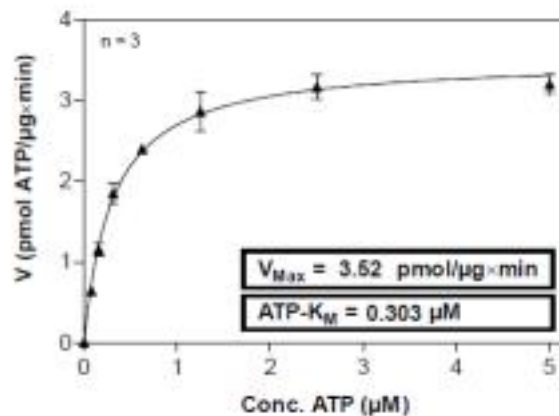
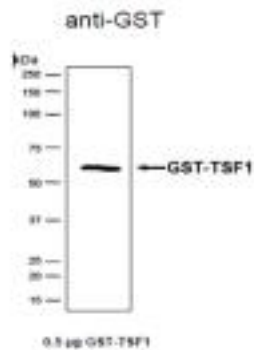
Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:

Coomassie stain:



Western blot analysis:



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