

EPHB4

Recombinant Human Ephrin Receptor B4 (aa 563-987) Active GST-His

Catalog No.	CSI12293	Quantity:	50 µg
Alternate Names:	HTK, MYK1, TYRO11, ephrin receptor EphB4, hepatoma transmembrane kinase, soluble EPHB4 variant 1, soluble EPHB4 variant 2, soluble EPHB4 variant 3		
Description:	Human EPHB4, Amino acids L ₅₆₃ -Y ₉₈₇ (as in GenBank entry NM_004444.2)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.235 µg/µl		
Gene ID:	2050		
Protein Accession No:	NM_004444.2		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 76,794 Da		
Formulation:	50 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 5 mM DTT + 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	EPHB4 was confirmed as human EPHB4 by mass spectroscopy LC-ESI-MS/MS		
Activation:	Pre-incubation with 0.1 mM ATP, followed by (NH ₄) ₂ SO ₄ precipitation		
Specific Activity:	78 pmol/µg×min		

Method for determination of Km 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: Poly(Glu,Tyr)_{4:1}
(Sigma P-0275), 0.5 µg / 50 µl
Recombinant EPHB4: 25 ng / 50 µl
- Filter binding assay
MAFC membrane (Millipore)



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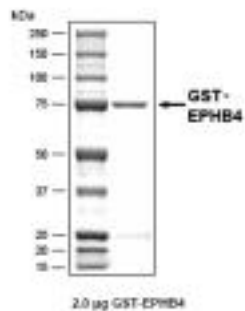
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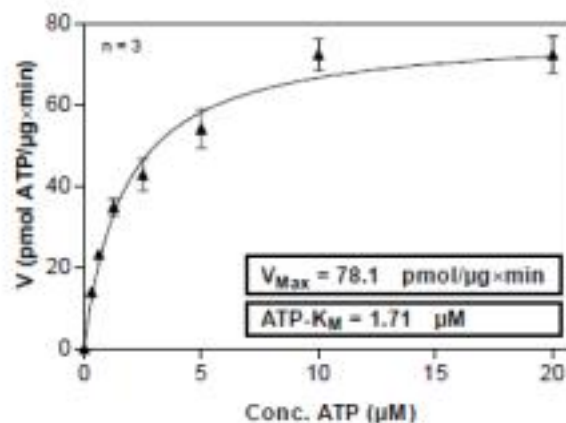
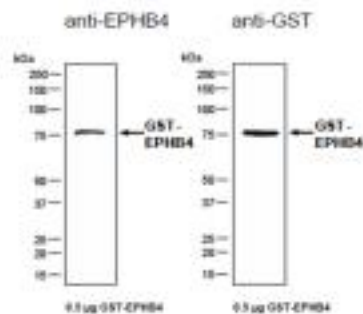
Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:

Coomassie stain:



Western blot analysis:



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