

EPHA1

Recombinant Human EPH Receptor A1 Active GST-His

Catalog No.	CRE016	Quantity:	50 µg
Alternate Names:	EPH, EPHT, EPHT1, MGC163163, eph tyrosine kinase 1, ephrin receptor EphA1, ephrin type-A receptor 1, erythropoietin-producing hepatoma amplified sequence, oncogene EPH, soluble EPHA1 variant 1, soluble EPHA1 variant 2, tyrosine-protein kinase receptor EPH		
Description:	Human EPHA1 Amino acids R ₅₆₉ -D ₉₇₆ (as in GenBank entry XM_056982)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site. *Sequence may contain documented polymorphisms Detailed sequence on request.		
Concentration:	0.071 µg/µl		
Gene ID:	2041		
Protein Accession No:	XM_056982		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 79,631 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:	EPHA1 was confirmed as human EPHA1 by mass spectroscopy LC-ESI-MS/MS		
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 MgCl ₂ 3 mM MnCl ₂ 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), 2 µg / 50 µl Recombinant EPHA1: 50 ng / 50 µl • Filter binding assay		

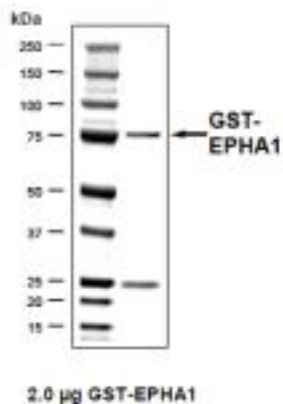


MAFC membrane (Millipore)

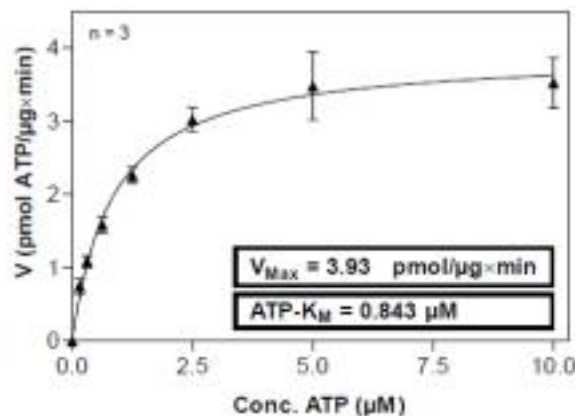
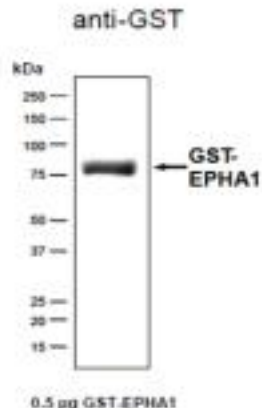
Storage & Stability: Store in working aliquots at -80°C . **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:

Coomassie stain:



Western blot analysis:



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