

EPHA2

Recombinant Human Ephrin Receptor A2 Active GST-His

Catalog No.	CSI11178	Quantity:	50 µg
Alternate Names:	RP23-308N2.1, AW545284, Eck, Myk2, Sek-2, Sek2, ephrin type-A receptor 2; epithelial cell kinase; tyrosine-protein kinase receptor ECK; tyrosine-protein kinase receptor MPK -5; tyrosine-protein kinase receptor SEK-2		
Description:	Human EPHA2, Amino acids L ₅₈₅ -I ₉₇₆ (as in GenBank entry NM_004431.2)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.505 µg/µl		
Gene ID:	1959		
Protein Accession No:	NM_004431.2		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 73,691 Da		
Formulation:	50 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	EPHA2 was confirmed as human EPHA2 by mass spectroscopy LC-ESI-MS/MS		
Specific Activity:	30 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: Poly(Glu,Tyr)_{4:1}
(Sigma P-0275), 2.0 µg / 50 µl
Recombinant EPHA2: 100 ng / 50 µl
- Filter binding assay
MAFC membrane (Millipore)

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



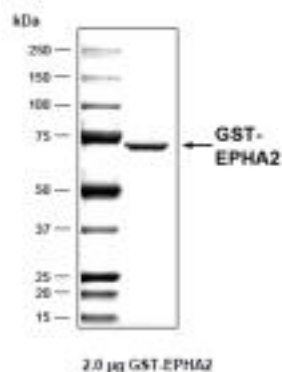
Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

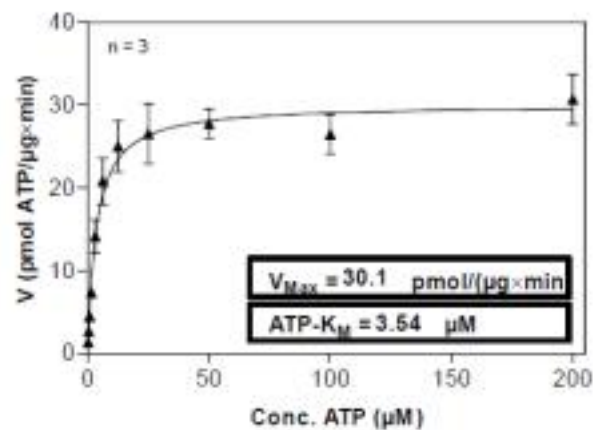
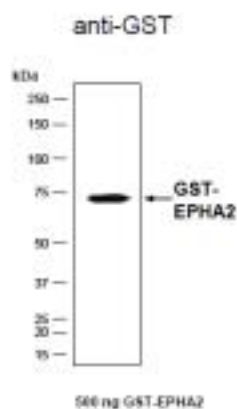
E-mail: info@cellsciences.com
Website: www.cellsciences.com

Determination of K_m value for ATP:

Coomassie stain:



Western blot analysis:



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