EPHA4
Recombinant Human EPH Receptor A4 Active GST-His

Catalog No.	CRE018	**Quantity:**	50 µg

Alternate Names: HEK8, SEK, TYRO1, TYRO1 protein tyrosine kinase, ephrin receptor EphA4, ephrin type-A receptor 4, receptor protein-tyrosine kinase HEK8, tyrosine-protein kinase receptor SEK

Description: Human EPHA4 Amino acids S_{570}-V_{986} (as in GenBank entry NM_004438)*, N-terminally fused to GST-HIS_6-Thrombin cleavage site
*Sequence may contain documented polymorphisms
Detailed sequence on request.

Concentration: 0.628 µg/µl

Gene ID: 2043

Protein Accession No: NM_004438

Source: Baculovirus infected Sf9 cells

Molecular Weight: Theoretical $MW_{Fusion\ Protein}$: 76,587 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: EPHA4 was confirmed as human EPHA4 by mass spectroscopy LC-ESI-MS/MS

Specific Activity: 19 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) 0.125 µg / 50 µl
Recombinant EPHA4: 200 ng / 50 µl
• Filter binding assay
MAFC membrane (Millipore)

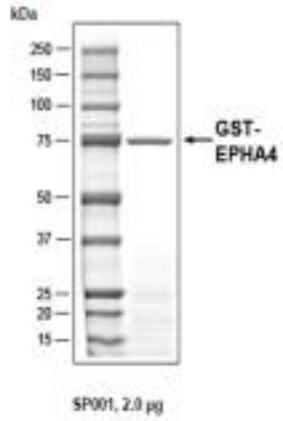
Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

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

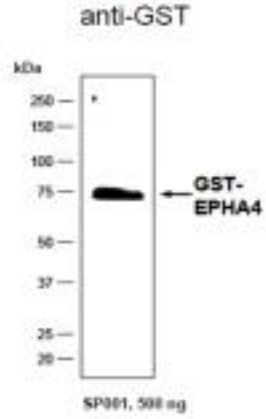
E-mail: info@cellsciences.com
Website: www.cellsciences.com

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

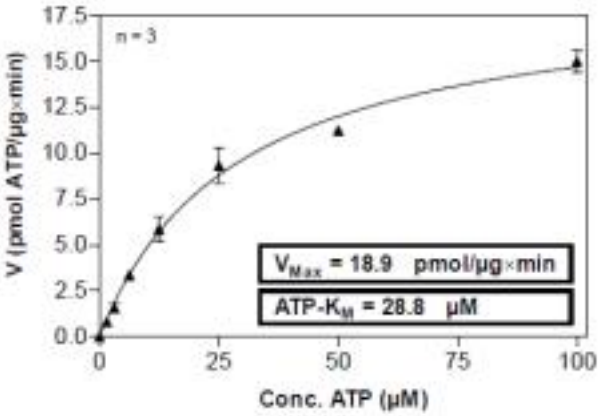
Coomassie stain:



Western blot analysis:



Determination of Km value for ATP:



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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