

EphB4 Protein, Human (sf9, His-GST)

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| Cat. No.: | HY-P73003 |
| Synonyms: | Ephrin type-B receptor 4; EPHB4; HTK; MYK1; TYRO11 |
| Species: | Human |
| Source: | Sf9 insect cells |
| Accession: | P54760 (L563-Y987) |
| Gene ID: | 2050 |
| Molecular Weight: | Approximately 66 kDa |

PROPERTIES

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| AA Sequence | <pre> L R K Q S N G R E A E Y S D K H G Q Y L I G H G T K V Y I D P F T Y E D P N E A V R E F A K E I D V S Y V K I E E V I G A G E F G E V C R G R L K A P G K K E S C V A I K T L K G G Y T E R Q R R E F L S E A S I M G Q F E H P N I I R L E G V V T N S M P V M I L T E F M E N G A L D S F L R L N D G Q F T V I Q L V G M L R G I A S G M R Y L A E M S Y V H R D L A A R N I L V N S N L V C K V S D F G L S R F L E E N S S D P T Y T S S L G G K I P I R W T A P E A I A F R K F T S A S D A W S Y G I V M W E V M S F G E R P Y W D M S N Q D V I N A I E Q D Y R L P P P P D C P T S L H Q L M L D C W Q K D R N A R P R F P Q V V S A L D K M I R N P A S L K I V A R E N G G A S H P L L D Q R Q P H Y S A F G S V G E W L R A I K M G R Y E E S F A A A G F G S F E L V S Q I S A E D L L R I G V T L A G H Q K K I L A S V Q H M K S Q A K P G T P G G T G G P A P Q Y </pre> |
| Biological Activity | The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet. |
| Appearance | Solution. |
| Formulation | Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, pH 8.0, 3 mM DTT, 10% gly |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | N/A |
| Storage & Stability | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles. |
| Shipping | Shipping with dry ice. |

DESCRIPTION

Background

EphB4 protein, a receptor tyrosine kinase, engages in promiscuous binding to transmembrane ephrin-B family ligands located on adjacent cells, initiating contact-dependent bidirectional signaling. The downstream pathway originating from the receptor is termed forward signaling, while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Collaborating with its cognate ligand, EFNB2, EphB4 is intricately involved in regulating cell adhesion and migration. Moreover, EphB4 assumes a central role in heart morphogenesis, angiogenesis, and the remodeling and permeability of blood vessels. The forward signaling mediated by EPHB4 is instrumental in controlling cellular repulsion and segregation from EFNB2-expressing cells.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA