
Product Data Sheet

Product Name: EPHB4 Human
 Cat. No.: GP23410
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tyrosine-Protein Kinase TYRO11; Hepatoma Transmembrane Kinase; TYRO11; MYK1; HTK; Ephrin Type-B Receptor; Tyrosine-Protein Kinase Receptor HTK.		
Amino Acid Sequence	LEETLLNTKL ETADLKWVTF PQVDGQWEEL SGLDEEQHSV RTYEVCDVQR APGQAHWLRT GWVPRRGAVH VYATLRFMTML ECLSLPRAGRCKETFTVYF YESDADTATA LTPAWMENPY IKVDTVAAEH LTRKRPGAEA TGKVVNKTLLR LGPLSKAGFY LAFQDQGACM ALLSLHLFYK KCAQLTVNLT RFPETVPREL VVPVAGSCVV DAVPAPGPSP SLYCREDGQW AEQPVTGCSC APGFEEAEGN TKCRACAQGT FKPLSGEGSC QPCPANSNHSN TIGSAVCQCR VGYFRARTDP RGAPCTTPPS APRSVVSRNLN GSSLHLEWSA PLESGGREDL TYALRCRECR PGGSCAPCGG DLTFDPGPRD LVEPWVVVRG LRPDFTYTFE VTALNGVSSL ATGPVPFEPV NVTTDREVPP AVSDIRVTRS SPSSLSLAWA VPRAPSGAVL DYEVKYHEKG AEGPSSVRFL KTSNRAELR GLKRGASYLV QVRARSEAGY GPFQGEHHSQ TQLDESEGWR EQLAVEHHHH HH.		
Formulation	EPHB4 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) & 10% glycerol.		

Introduction

EPHB4 or Ephrin type-B receptor 4 is encoded by the EPHB4 gene in humans. The receptor and its ligands (the ephrins) take part in different developmental stages, mainly in the nervous system. EPHB4 and other Ephrin receptors are the biggest subgroup of the RTK receptors. EPHB4 binds to ephrin B2 and has a crucial part in the development of the vascular system.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

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

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

EPHB4 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (16-539a.a.) and fused to an 8 aa His Tag at C-terminus containing a total of 532 amino acids and having a molecular mass of 58.1 kDa. EPHB4 shows multiple bands between 50-70kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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