9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

EPHB1 Human

EPH Receptor B1 Human Recombinant
RCP0766

Product Overview

Name	EPHB1 Human

Description

EPH Receptor B1 Human Recombinant

Accession (Primary)	P54762

Synonyms

EPHB-1, Ephrin type-B receptor 1, Eph Receptor B1, ELK, EPH tyrosine kinase 2, EPH-like kinase 6, EK6, hEK6, HEK6, Neuronally-expressed EPH-related tyrosine kinase, NET, NETHek6, Tyrosine-protein kinase receptor EPH-2, EPHT2, soluble EPHB1 variant 1

Introduction

EPH Receptor B1 (EPHB1) is a member of the ephrin receptor subfamily of the proteintyrosine kinase family which 16 receptors are known. EPHB1 binds ephrin-B2, ephrin-B1,ephrin-A3,ephrin-A1,ephrin-B3 and ephrin-A4. EPHB1 binds tyrosine kinase and phosphorylates syndecan-2 and thisphosphorylation is necessary for syndecan-2 clustering and spine formation. Ephrin receptors and theirligands (the ephrins) mediate several developmental processes, mainly in the nervous system.

Source

HEK293 Cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The EPHB1 solution (0.25mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Stability

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

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MEETLMDTRT ATAELGWTAN PASGWEEVSG YDENLNTIRT YQVCNVFEPN QNNWLLTTFI NRRGAHRIYT EMRFTVRDCS SLPNVPGSCK ETFNLYYYET DSVIATKKSA FWSEAPYLKV DTIAADESFS QVDFGGRLMK

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

VNTEVRSFGP LTRNGFYLAF QDYGACMSLL SVRVFFKKCP SIVQNFAVFP ETMTGAESTS LVIARGTCIP NAEEVDVPIK LYCNGDGEWM VPIGRCTCKP GYEPENSVAC KACPAGTFKA SQEAEGCSHC PSNSRSPAEA SPICTCRTGY YRADFDPPEV ACTSVPSGPR NVISIVNETS IILEWHPPRE TGGRDDVTYN IICKKCRADR RSCSRCDDNV EFVPRQLGLT ECRVSISSLW AHTPYTFDIQ AINGVSSKSP FPPQHVSVNI TTNQAAPSTV PIMHQVSATM RSITLSWPQP EQPNGIILDY EIRYYEKEHN EFNSSMARSQ TNTARIDGLR PGMVYVVQVR ARTVAGYGKF SGKMCFQTLT DDDYKSELRE QLP HHHHHH

Biological Activity

Measured by its binding ability in a functional ELISA with Human EFNB1 (cat# pro-2543).

Precautions

EPHB1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P54762)