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

EPHB2 Human

EPH Receptor B2 Human Recombinant
RCP0767

Product Overview

Name	EPHB2 Human
Description	
EPH Receptor B2 Human Recombinant	
Accession (Primary)	P29323
Synonyms	
EPHB2, CAPB, DRT, EK5, EPHT3, ERK, Hek5, PCBC, Tyro5, Developmentally-regulated Eph-related tyrosine kinase, ELK-related tyrosine kinase, EPH tyrosine kinase 3, EPH-like kinase 5, hEK5, Renal carcinoma antigen NY-REN-47, Tyrosine-protein kinase TYRO5, Tyrosine-protein kinase receptor EPH-3.	
Introduction	
EPH Receptor B2 (EPHB2) is a part of the transmembrane Eph receptor tyrosine kinase family (RTKs) which binds proteins of the Ephrin family on adjacent cells. The interaction leads to contact-dependent bidirectional signaling into neighboring cells. Hippocampal neurons can release vesicles containing full length EPHB2, and these are taken up by neighboring glial cells. EPHB2 takes part in the guidance of commissural axons through the embryonic midline and regulates dendritic spines development and maturation and stimulates the formation of excitatory synapses.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
EPHB2 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4), 1mM DTT and 20% 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 90% as determined by SDS-PAGE.	
Amino acid sequence	
VEETLMDSTT ATAELGWMVH PPSGWEEVSG YDENMNTIRT YQVCNVFESS QNNWLRTKFI RRRGAHRIHV EMKFSVRDCS SIPSVPGSCK ETFNLYYYEA DFDSATKTFP NWMENPWVKV DTIAADESFS QVDLGGRVMK	

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INTEVRSFGP VSRSGFYLAF QDYGGCMSLI AVRVFYRKCP RIIQNGAIFQ ETLSGAESTS LVAARGSCIA NAEEVDVPIK LYCNGDGEWL VPIGRCMCKA GFEAVENGTV CRGCPSGTFK ANQGDEACTH CPINSRTTSE GATNCVCRNG YYRADLDPLD MPCTTIPSAP QAVISSVNET SLMLEWTPPR DSGGREDLVY NIICKSCGSG RGACTRCGDN VQYAPRQLGL TEPRIYISDL LAHTQYTFEI QAVNGVTDQS PFSPQFASVN ITTNQAAPSA VSIMHQVSRT VDSITLSWSQ PDQPNGVILD YELQYYEKEL SEYNATAIKS PTNTVTVQGL KAGAIYVFQV RARTVAGYGR YSGKMYFQTM TEAEYQTSIQ EKLPL LEHHH HHH .

Precautions

EPHB2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P29323)