

Recombinant Human EPHB1 Protein

Catalog #	Source	Reactivity	Applications
CRP1494	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human EPHB1 Protein is produced by our mammalian expression system and the target gene encoding Met18-Pro540 is expressed with a Fc tag at the C-terminus.

Form Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Gene Symbol EPHB1

Alternative Names ELK; EPHT2; HEK6; NET; Ephrin type-B receptor 1; ELK; EPH tyrosine kinase 2; EPH-like kinase 6; EK6; hEK6; Neuronally-expressed EPH-related tyrosine kinase; NET; Tyrosine-protein kinase receptor EPH-2

Entrez Gene 2047 (Human)

SwissProt P54762 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MEETLMDTRT ATAELGWTAN PASGWEEVSG YDENLNTIRT YQVCNVFEPN QNNWLLTTFI
 NRRGAHRIYT EMRFTVRDCS SLPNVPGSCK ETFNLYYYET DSVIATKKSA FWSEAPYLKV
 DTIAADESFS QVDFGGRLMK VNTEVRSFGP LTRNGFYLA F QDYGACMSLL SVRVFFKKCP
 SIVQNFAVFP ETMTGAESTS LVIARGTCIP NAAEVDVPIK LYCNGDGEWM VPIGRCTCKP
 GYEPENSVAC KACPAGTFKA SQEAEGCSHC PSNSRSPAEA SPICTCRTGY YRADFDPEV
 ACTSVPSGPR NVISIVNETS IILEWHPPRE TGGRDDVTYN IICKKCRADR RSCSRCDNV
 EFVPRQLGLT ECRVSISSLW AHTPYTFDIQ AINGVSSKSP FPPQHVSUNI TTNQAAPSTV
 PIMHQVSATM RSITLSWPQP EQPNGIILDY EIRYYEKEHN EFNSSMARSQ TNTARIDGLR
 PGMVYVVQVR ARTVAGYGKF SGKMCFQTLT DDDYKSELRE QLPVDDIEGR MDEPKSCDKT
 HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP
REPQVYTLPP SREEMTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSGGS
FFLYSKLTVD KSRWQQGNVF SCSVMHEALTH NHYTQKSLSL SPGK

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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