

Recombinant Human EPHB1 Protein

Catalog #	Source	Reactivity	Applications
CRP1492	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 6His tag at the C-terminus.
Form	Lyophilized from a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
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 SEC-HPLC and 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 YRADFDPPPEV ACTSVPSGPR NVISIVNETS IILEWHPPRE TGGRDDVTYN IICKKCRADR RSCSRCDNDV EFVPRQLGLT ECRVSISSLW AHTPYTFDIQ AINGVSSKSP FPPQHVSUNI TTNQAAPSTV PIMHQVSATM RSITLSWPQP EQPNGIILDY EIRYYEKEHN EFNSSMARSQ TNTARIDGLR PGMVYVVQVR ARTVAGYGKF SGKMCFQTLT DDDYKSELRE QLPVDHHHHH H
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

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

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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