

Recombinant Human EPHB1 Protein

Catalog #	Source	Reactivity	Applications
CRP1493	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 Ser564-Ala984 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μ M filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.

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 MSRKRAYSKE AVYSDKLQHY STGRGSPGMK IYIDPFTYED PNEAVREFAK EIDVSFVKIE
 EVIGAGEFGE VYKGRLLKPG KREIYVAIKT LKAGYSEKQR RDFLSEASIM GQFDHPNIIR
 LEGVVTKSRP VMIITEFMEN GALDSFLRQN DGQFTVIQLV GMLRGIAAGM KYLAEMNYVH
 RDLAARNILL NSNLVCKVSD FGLSRYLQDD TSDPTYTSSL G GKIPVRWTA PEAIAYRKFT
 SASDVWSYGI VMWEVMSFGE RPYWDMSNQD VINAIEQDYR LPPPMDCPAA
 LHQLMLDCWQ KDRNSRPRFA EIVNTLDKMI RNPASLKTVA TITAVPSQPL LDRSIPDFTA
 FTTVDDWLSA IKMVQYRDSF LTAGFTSLQL VTQMTSEDLL RIGITLAGHQ KKILNSIHSM
 RVQISQSPTA MAVDHHHHHH

Quality Control Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not

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

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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