

Recombinant Human EPHA8 Protein

Catalog #	Source	Reactivity	Applications
CRP1491	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human EPHA8 Protein is produced by our mammalian expression system and the target gene encoding Ala28-Leu495 is expressed with a Fc tag at the C-terminus.

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

Gene Symbol EPHA8

Alternative Names EEK; HEK3; KIAA1459; Ephrin type-A receptor 8; EPH- and ELK-related kinase; EPH-like kinase 3; EK3; hEK3; Tyrosine-protein kinase receptor EEK

Entrez Gene 2046 (Human)

SwissProt P29322 (Human)

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

Chemical Structure ARGEVLLDSTIHGDWGWL TYPAHGWDSI NEVDESFPQI HTYQVCNVMS
 PNQNNWLRTS WVPRDGARRV YAEIKFTLRD CNSMPGVLGT CKETFNLYL ESDRDLGAST
 QESQFLKIDT IAADESFTGA DLGVRRLKLN TEVRSVGPLS KRGFYLAQD IGACLAISL
 RIYYKKCPAM VRNLAAFSEA VTGADSSSLV EVRGQCVRHS EERDTPKMYC SAEGEWLVPI
 GKVCVSAGYE ERRDACVACE LGFYKSAPGD QLCARCPPHS HSAAPAAQAC HCDLSYYRAA
 LDPPSSACTR PPSAPVNLIS SVNGTSVTLE WAPPLDPGGR SDITYNAVCR RCPWALSRC
 ACGSGTRFVP QQTSLVQASL LVANLLAHMN YSFWIEAVNG VSDLSPEPRR AAVVNITTNQ
 AGRRRNSVPQ RPGPPASPAS DPSRDQSSAG DVLWAFRQVP LWPCAPHQDP ELEALHCLVD
 DIEGRMDEPK SCDKTHTCP CPAPPELLGGP SVFLFPPKPK DTLMISRTPE VTCVVVDVSH
 EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL
 PAPIEKTISK AKGQPREPQV YTLPPSREEM TKNQVSLTCL VKGFYPSDIA VEWESNGQPE

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

NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGK

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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