

Recombinant Human ROBO4 Protein

Catalog #	Source	Reactivity	Applications
CRP2216	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human ROBO4 Protein is produced by our mammalian expression system and the target gene encoding Gln28-Arg467 is expressed with a Fc tag at the C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4.

Gene Symbol ROBO4

Alternative Names Roundabout homolog 4; Magic roundabout

Entrez Gene 54538 (Human)

SwissProt Q8WZ75 (Human)

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

Chemical Structure QDSPPQILVH PQDQLFQGPG PARMSCQASG QPPPTIRWLL NGQPLSMVPP
DPHLLLPDGT LLLLQPPARG HAHDGQALST DLGVYTCEAS NRLGTAVSRG ARLSVAVLRE
DFQIQPRDMV AVVGEQFTLE CGPPWGHPEP TVSWWKDGKP LALQPGRHTV
SGGSLLMARA EKSDEGTYMC VATNSAGHRE SRAARVSIQE PQDYTEPVEL LAVRIQLENV
TLLNPDPAEG PKPRPAVWLS WKVSGPAAPA QSYTALFRTQ TAPGGQGAPW AEELLAGWQS
AELGGLHWGQ DYEFKVRPSS GRARGPDSNV LLLRLPEKVP SAPPQEVTLK PGNGTVFVSW
VPPPAENHNG IIRGYQVWSL GNTSLPPANW TVVGEQTQLE IATHMPGSYC VQVAAVTGAG
AGEPSRPVCL LLEQAMERAT QEPSEHGPTW LEQLRATLKR VDDIEGRMDE PKSCDKTHTC
PPCPAPPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN
AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP
QVYTLPPSRE EMTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTTP VLDSGDGSFFL
YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKLSLSLSPG K

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

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 recommended to reconstitute to a concentration less than 100 μ g/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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