

Recombinant Human IL-1R1 Protein

Catalog #	Source	Reactivity	Applications
CRP2740	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human IL-1R1 Protein is produced by mammalian expression system and the target gene encoding Leu18-Thr332 is expressed fused with a Fc tag at the C-terminus.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Gene Symbol	IL1R1
Alternative Names	IL1R; IL1RA; IL1RT1; Interleukin-1 receptor type 1; IL-1R-1; IL-1RT-1; IL-1RT1; CD121 antigen-like family member A; Interleukin-1 receptor alpha; IL-1R-alpha; Interleukin-1 receptor type I; p80; CD121a
Entrez Gene	3554 (Human)
SwissProt	P14778 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	LEADKCKERE EKIILVSSAN EIDVRPCPLN PNEHKGITITW YKDDSKTPVS TEQASRIHQH KEKLWFVPAK VEDSGHYICV VRNSSYCLRI KISAKFVENE PNLCYNAQAI FKQKLPVAGD GGLVCPYMEF FKNENNELPK LQWYKDCCKPL LLDNIHFSGV KDRLIVMNVA EKHRGNYTCH ASYTYLGKQY PITRVIEFIT LEENKPTRPV IVSPANETME VDLGSQIQLI CNVTGQLSDI AYWKWNGSVI DEDDPVLGED YYSVENPANK RRSTLITVLN ISEIESRFYK HPFTCFKANT HGIDAAYIQL IYPVTIEGRD MDPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSGDSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSL S PGK

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 ddH ₂ O. 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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