

Recombinant Rat IL-1 alpha Protein

| Catalog # | Source | Reactivity | Applications |
|---------------------------|--|------------|---------------------|
| CRP3088 | E. coli | Rat | E, WB, SDS-PAGE, MS |
| Description | Recombinant Rat IL-1 alpha Protein is produced by E.coli expression system and the target gene encoding Ser115-Ser270 is expressed. | | |
| Form | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4. | | |
| Gene Symbol | IL1A | | |
| Alternative Names | IL1F1; Interleukin-1 alpha; IL-1 alpha; Hematopoietin-1 | | |
| Entrez Gene | 24493 (Rat) | | |
| SwissProt | P16598 (Rat) | | |
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | | |
| Chemical Structure | MSAPHSFQNN LRYKLIRIVK QEFIMNDSL NQNIYVDM DRI HLKAASLNDL QLEVKFDMYA YSSGGDDSKY PVTLKVSNTQ LFSVAQGEDK PVLLKEIPET PKLITGSETD LIFFWEKINS KNYFTSAAFP ELLIATKEQS QVHLARGLPS MIDFQIS | | |
| 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 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. | | |

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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