



# Recombinant Pig Interleukin-1 alpha (IL1A)

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| <b>Product Code</b>      | CSB-EP011613PI-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P18430   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Sus scrofa (Pig)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | SATYSFQS NMKYNFMRVI NHQCILNDAR NQSIIRDPSG QYLMAAVLNN<br>LDEAVKFDMA AYTSNDDSQL PVTLRISETR LFFVSAQNEDE PVLLKELPET<br>PKTIKDETSL LFFWEKHGDM DYFKSAAHPK LFIATRQEKL VHMAGPLPSV<br>TDFQILENQS  |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | IL1A   |
| <b>Protein Names</b>     | Recommended name: Interleukin-1 alpha Short name= IL-1 alpha   |
| <b>Expression Region</b> | 113-270  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | This protein is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer s disease. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |