



Recombinant Cat Interleukin-1 alpha (IL1A)

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| Product Code | CSB-YP011613CA |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | O46613 |
| Product Type | Recombinant Protein |
| Immunogen Species | Felis catus (Cat) (Felis silvestris catus) |
| Purity | >85% (SDS-PAGE) |
| Sequence | SVAPNFYS SEKYNQKII KSQFILNDNL SQSVIRKAGG KYLAAAALQN LDDAVKFDMG AYTSKEDSKL PVTLRISKTR LfvSAQNEDE PVLLKEMPET PKTIRDETNL LFFWERHGSK NYFKSVAHPK LFIATQEEQL VHMARGLPVS TDFQILETQS |
| Source | Yeast |
| Target Names | IL1A |
| Protein Names | Recommended name: Interleukin-1 alpha Short name= IL-1 alpha |
| Expression Region | 113-270 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Target Details | 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. |
| Reconstitution | 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. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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. |