Recombinant Cat Interleukin-1 beta (IL1B)

Product Code	CSB-YP011614CA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P41687
Product Type	Recombinant Protein
Immunogen Species	Felis catus (Cat) (Felis silvestris catus)
Purity	≥85% (SDS-PAGE)
Sequence	AAIQS QDYTFRDISQ KSLVLSGSYE LRALHLNGQN MNQQVVFRMS FVHGEENSKK IPVVLCIKKN NLYLSCVMKD GKPTLQLEML DPKVYPKKKM EKRFVFNKTE IKGNVEFESS QFPNWYISTS QAEEMPVFLG NTKGGQDITD FIMESAS
Source	Yeast
Target Names	IL1B
Protein Names	Recommended name: Interleukin-1 beta Short name= IL-1 beta
Expression Region	116-267
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 produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.
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.