

Active Recombinant Cynomolgus IL1B Protein

Cat. No. IL1B-1167C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mature form of Cynomolgus (<i>Macaca fascicularis</i>) IL1B (Ala 117-Ser 269) was expressed and purified, with an initial Met.
Species	Cynomolgus
Source	E.coli
ProteinLength	117-269 a.a.
Predicted N Terminal	Met 1
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED50 for this effect is typically 3-15 pg/mL.
Molecular Mass	The recombinant Cynomolgus IL1B consists of 154 amino acids and has a calculated molecular mass of 17.5 kDa. It migrates as an approximately 18 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>97 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	IL1B interleukin 1 beta [<i>Macaca fascicularis</i>]
Official Symbol	IL1B
Synonyms	IL-1 beta; Interleukin-1 beta; interleukin 1, beta
Gene ID	102119749
mRNA Refseq	
Protein Refseq	
MIM	
UniProt ID	
Chromosome Location	chromosome: 13
Pathway	AGE-RAGE signaling pathway in diabetic complications, organism-specific biosystem; Alzheimer"s disease, conserved biosystem; Amoebiasis, conserved biosystem

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