

IL-1 beta Recombinant Protein | IL-1beta recombinant protein

Recombinant Rat IL-1 beta Protein

CATALOG # AAA283375	HOST HEK293 cells
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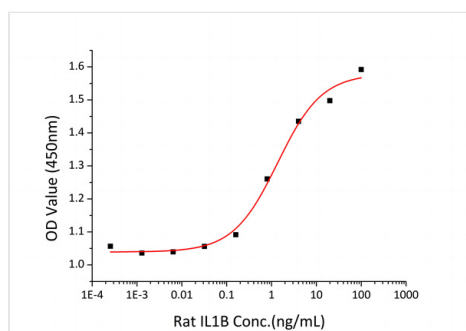
PRODUCT SYNONYMS

IL-1 beta; Recombinant Rat IL-1 beta Protein; IL-1F2;IL-1 beta; IL1B; IL-1BETA; IL1F2; IL-1beta; il1b; IL-1beta recombinant protein

PRODUCT SPECIFICATIONS

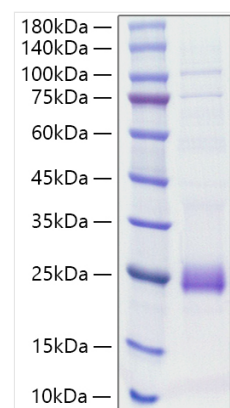
Host	HEK293 cells
Purity/Purification	>85% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	VPIRQLHCRL RDEQQKCLVL SDPCELKALH LNGQNISQQV VFSMSFVQGE TSNDKIPVAL GLKGKNLYLS CVMKDGTPTL QLESVDPKQY PKKKMEKRFV FNKIEVTKV EFESAQFPNW YISTSQAEHR PVFLGNSNGR DIVDFTMEPV SS
Species	Rat
Tag	C-His
Endotoxin	<1EU/ug
Bio-Activity	Recombinant Rat IL-1 beta Protein stimulates cell proliferation of the D10.G4.1 mouse helper T cell line. The ED ₅₀ for this effect is 0.68-2.72ng/mL, corresponding to a specific activity of $3.68 \times 10^5 \sim 1.47 \times 10^6$ units/mg.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



Application Data

Recombinant Rat IL-1 beta Protein stimulates cell proliferation of the D10.G4.1 mouse helper T cell line. The ED₅₀ for this effect is 0.68-2.72 ng/mL, corresponding to a specific activity of $3.68 \times 10^5 \sim 1.47 \times 10^6$ units/mg.



SDS-PAGE

Recombinant Rat IL-1 beta Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 18-25 kDa.

ADDITIONAL INFORMATION

Related Product Information for IL-1beta recombinant protein	Interleukin-1 beta (IL1 beta or IL1B) also known as catabolin, 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.
Product Categories/Family for IL-1beta recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	81909490
NCBI GeneID	24494
UniProt Accession #	Q5BKB0; Q63264
UniProt Protein Name	Interleukin 1 beta
UniProt Gene Name	IL1b
UniProt Entry Name	Q5BKB0_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/il1b-recombinant-protein-hek293-cells/283375>