

Active Recombinant Mouse IL1b Protein, His-Tagged

Cat. No. IL1b-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL1b protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interleukin 1 beta (IL-1 β) also known as leukocytic pyrogen, leukocytic endogenous mediator, mononuclear cell factor, lymphocyte activating factor and other names, is a cytokine protein that in humans is encoded by the IL1B gene. There are two genes for interleukin-1 (IL-1): IL-1 alpha and IL-1 beta (this gene). IL-1 β precursor is cleaved by cytosolic caspase 1 (interleukin 1 beta convertase) to form mature IL-1 β .
Form	Lyophilized powder
AA Sequence	MVPIRQLHYRLRDEQQKSLVLSDPYELKALHLNGQNINQQVIFSMSFVQGEPSSNDKI PVALGLKGKNLYLSCVMKDGTPTLQLESVDPKQYP KKKMEKRFVFNKIEVKSKVEFESAEPNWWYISTSQAEHKPVFLGNNSGQDIIDFTME SVSS with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 μ g of the protein by the LAL method.
Bio-activity	Measure by its ability to induce D10.G4.1 cells proliferation. The ED50 for this effect is <8 pg/mL. The specific activity of recombinant mouse IL-1 beta is approximately >1.2x 10 ⁸ IU/mg.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

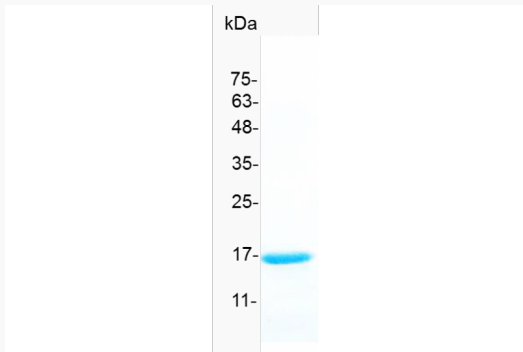
GENE INFORMATION

Gene Name	Il1b interleukin 1 beta [Mus musculus (house mouse)]
Official Symbol	Il1b
Synonyms	Il-1b; IL-1beta
Gene ID	16176
mRNA Refseq	NM_008361.4
Protein Refseq	NP_032387.1
UniProt ID	P10749

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