

Active GMP Recombinant Human IL1B Protein

Cat. No. IL1B-102HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mature form of human IL1B (NP_000567.1) (Ala 117-Ser 269) was expressed with a N-terminal Met in an animal component free process under cGMP guidelines.
Species	Human
Source	E.coli
Predicted N Terminal	Met
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5 % mannitol and 0.01% Tween80.
Bio-activity	Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The EC50 for this effect is 0.5-3 ng/mL. The specific activity of Recombinant Human IL-1 β is approximately 1 $\times$ 10 ⁵ IU/ μ g, which is calibrated against human IL-1 β WHO Standard (NIBSC code: 86/680).
Molecular Mass	The GMP recombinant human IL1B consists of 154 amino acids and predicts a molecular mass of 17.5 kDa
Endotoxin	< 0.01 EU per μ g of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°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 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	IL1B interleukin 1, beta [Homo sapiens]
Official Symbol	IL1B
Synonyms	IL1B; interleukin 1, beta; interleukin-1 beta; IL 1B; IL1 BETA; IL1F2; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta; IL-1; IL1-BETA;
Gene ID	3553
mRNA Refseq	NM_000576
Protein Refseq	NP_000567
MIM	147720
UniProt ID	P01584

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