

Active GMP Recombinant Human IL1A protein

Cat. No. IL1A-101HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active GMP Recombinant Human IL1A protein was expressed in E. coli.
Species	Human
Source	E. coli
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 25 mM Tris-HCl, 3 mM β-Me and 5% Trehalose, pH 8.0.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine D10S cells is less than 1.0 pg/mL, corresponding to a specific activity of > 1.0 × 10 ⁹ U/mg.
Molecular Mass	Approximately 18.0 kDa, a single non-glycosylated polypeptide chain containing 159 amino acids.
AASequence	SAPFSFLSNV KYNFMRIIKY EFILNDALNQ SIIRANDQYL TAAALHNLDE AVKFDMGAYK SSKDDAKITV ILRISK TQLY VTAQDEDQPV LLKEMPEIPK TITGSETNLL FFWETHGTKN YFTSVAHPNL FIATKQDYWV CLAGGPSIT DFQILENQA
Endotoxin	Less than 0.01 EU/µg of rHuIL-1α GMP as determined by LAL method.
Purity	> 98 % by SDS-PAGE and HPLC analyses.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name IL1A interleukin 1, alpha [Homo sapiens]

Official Symbol IL1A

Synonyms IL1A; interleukin 1, alpha; IL1; interleukin-1 alpha; hematopoietin 1; IL 1A; IL1 ALPHA; IL1F1; preinterleukin 1 alpha; pro interleukin 1 alpha; IL-1 alpha; hematopoietin-1; pro-interleukin-1-alpha; IL-1A; IL1-ALPHA;

Gene ID 3552

mRNA Refseq NM_000575

Protein Refseq NP_000566

MIM 147760

UniProt ID P01583

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SDS-PAGE

HPLC

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