

# Human IL1A Recombinant Protein



RPPB0445

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## Product Information    Protein Information

**Product SKU:**

RPPB0445

**Accession:**

P01583

**Host:**

E.coli.

**Protein description:**

IL1A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 197 amino acids (113-271 a.a) and having a molecular mass of 22.4kDa. IL1A is fused to a 38 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Interleukin-1 alpha, IL-1 alpha, Hematopoietin-1, Interleukin-1 alpha: Interleukin-1a, IL-1a, Interleukin-1 alpha, IL1A, interleukin 1 alpha, IL1F1, IL-1A, preinterleukin 1 alpha, pro-interleukin-1-alpha.

**Formulation:**

IL1A protein solution (1mg/ml) contains 20mM Tris-HCl (pH 7.5) and 10% glycerol.

**Purity:**

Greater than 90% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMSA PFSFLSNVKY NFMRIIKYEF ILNDALNQSI  
IRANDQYLTA AALHNLDEAV KFDMGAYKSS KDDAKITVIL RISKTQLYVT AQDEDQPVLL KEMPEIPKTI  
TGSETNLLFF WETHGTKNYF TSVAHPNLFI ATKQDYWVCL AGGPPSITDF QILENQA.

**Biological Activity:**

Measured in a cell proliferation assay using D10.G4.1 mouse helper T cell. The ED50 for this effect is less or equal to 0.04 ng/ml.