

# Rhesus Macaque IL 1 Alpha Recombinant Protein



RPPB0454

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## Product Information   Protein Information

### Product SKU:

RPPB0454

### Accession:

P48089

### Host:

Escherichia Coli.

### Protein description:

Recombinant IL 1 alpha Rhesus Macaque produced in E.coli cells is a non-glycosylated, homodimeric protein containing 159 amino acid chain and having a molecular mass of 18.1kDa. The IL 1 alpha is purified by proprietary chromatographic techniques.

### Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Synonyms:

Hematopoietin-1, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL-1 alpha, IL1, IL-1A, IL1F1.

### Formulation:

The IL 1 alpha was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

### Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

### Solubility:

It is recommended to reconstitute the lyophilized IL 1 alpha Recombinant in sterile distilled H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

### Stability:

Lyophilized IL 1 alpha although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL 1 alpha should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Amino Acid Sequence:

SAPFSFLSNM TYHFIRIIKH EFILNDTLNQ TIIRANDQHL TAAAIHNLDE AVKFDMGAYT SSKDDTKVPV  
ILRISKTLQY VSAQDEDQPV LLKEMPEINK TITGSETNFL FFWETHGTKN YFISVAHPNL FIATKHDNWW  
CLAKGLPSIT DFQILENQA

### Biological Activity:

The ED<sub>50</sub> as determined by a cell proliferation assay using murine D10S cells is less than 10 pg/ml, corresponding to a specific activity of > 1.0×10<sup>8</sup> IU/mg.