9051 Mira Mesa Blvd, #910094
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IL 1 alpha Rat, His

Interleukin-1 alpha Rat Recombinant, His Tag
CYK0226

Product Overview

Name	IL 1 alpha Rat, His
Description	
Interleukin-1 alpha Rat Recombinant, His Tag	
Accession (Primary)	P16598
Synonyms	
Interleukin-1 alpha, IL-1 alpha.	
Introduction	
IL-1 alpha is produced by activated macrophages, stimulates thymocyte proliferation by inducing il-2 release, b-cell maturation and proliferation, and fibroblast growth factor activity. IL1A proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
IL 1 alpha protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS SAPHSFQ NNLRYKLIRI VKQEFIMNDS LNQNIYVDMD RIHLKAASLN DLQLEVKFDM YAYSSGGDDS KYPVTLKVSN TQLFVSAQGE DKPVLLKEIP ETPKLITGSE TDLIFFWEKI NSKNYFTSAA FPELLIATKE QSQVHLARGL PSMIDFQIS.	
Biological Activity	
The biological activity was Rat IL1 alpha was measured in a cell proliferation assay using D10.G4.1 mouse helper T	

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cell. The ED50 for this effect is less or equal to 20 pg/ml.

Precautions

IL 1 alpha Rat, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P16598)