
Product Data Sheet

Product Name: IL 1 alpha Rat, His
 Cat. No.: GP20445
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-1 alpha; IL-1 alpha.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSAPHSFQ NNLRYKLIRI VKQEFIMNDS LNQNIYVDMD RIHLKAASLNDLQLEVKFDM YAYSSGGDDS KYPVTLKVSN TQLFVSAQGE DKPVLLKEIP ETPKLITGSE TDLIFFWEKINSKNYFTSAA FPELLIATKE QSQVHLARGL PSMIDFQIS.		
Formulation	IL 1 alpha protein solution (1mg/ml) containing PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

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.

Stability

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

Background

IL 1 alpha Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 179 amino acids (115-270 a.a) and having a molecular mass of 20.2kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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