9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL1B Mouse, His Active

Interleukin-1 beta Human Recombinant, His Tag BioActive
CYK0400

Product Overview

Name	IL1B Mouse, His Active
Description	
Interleukin-1 beta Human Recombinant, His Tag BioActive	
Accession (Primary)	P10749
Synonyms	
Interleukin 1 beta, IL-1b, IL-1beta, Catabolin, H1, IL 1,IL 1 beta,IL-1 beta, IL1 BETA,IL1B,IL1B_HUMAN,IL1F2, Interleukin 1 beta, Interleukin-1 beta, OAF,OTTHUMP00000162031, Preinterleukin 1 beta,Pro interleukin 1 beta.	
Introduction	
Interleukin-1 beta is a cytokine that causes inflammation and can regulate angiogenesis through interaction with vascular endothelial cells or promoting the creation of proangiogenic modulators through the paracrine system. The cytokine causes migration and proliferation of endothelial cells, creation of mediators to inflammation, expression of adhesion-molecules & recruit of leukocyte cells. Interleukin-1 beta was found crucial for the process of tumors in various organism models.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
IL1B protein (1mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0) 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 90% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSM VPI RQLHYRLRDE QQKSLVLSDP YELKALHLNG QNINQQVIFS MSFVQGEPSN DKIPVALGLK GKNLYLSCVM KDGTPTLQLE SVDPKQYPKK KMEKRFVFNK IEVKSKVEFE SAEFPNWYIS TSQAEHKPVF LGNNSGQDII DFTMESVSS.	

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Biological Activity

Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED50 range < 0.1 ng/ml.

Precautions

IL1B Mouse, His Active is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P10749)