
Product Data Sheet

Product Name: IL1B Mouse, His Active

Cat. No.: GP26040

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
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.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMVPI RQLHYRLRDE QQKSLVLSDP YELKALHLNG QNINQQVIFS MSFVQGEPSN DKIPVALGLK GKNLYLSCVM KDGTPTLQLE SVDPKQYPKK KMEKRFVFNK IEVKSKEFE SAEFPNWWYIS TSQAEHKPVF LGNNSGQDII DFTMESVSS.		
Formulation	IL1B protein (1mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

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.

Biological Activity

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

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC for longer periods of time. For long term storage it is recommended to add a carrier protein

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

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(0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IL1B Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 189 amino acids (118-269 a.a) and having a molecular mass of 21kDa. IL1B is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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