
Product Data Sheet

Product Name: IRF 5 Human
 Cat. No.: GP20412
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	IFN Regulatory Factor 5; IRF-5; SLEB10; IBD14.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGPPTL QPPTLQPPVV LGPPAPDPSP LAPPPGNPAG FRELLSEVLEPGPLPASLPP AGEQLLPDLL I		
Formulation	IRF5 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30%glycerol and 1mM DTT.		

Introduction

IFN Regulatory Factor-5, also known as IRF5 belongs to the IFN regulatory factor (IRF) family, a group of transcription factors with various functions, including virus-mediated activation of IFN, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Multiple transcript variants encoding different isoforms have been found for this gene. In addition, IRF5 is implicated in the induction of IFNs IFNA and INFB and inflammatory cytokines upon virus infection. IRF5 is activated by TLR7 or TLR8 signaling.

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). Please avoid freeze thaw cycles.

Background

IRF5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 101 amino acids (176-240a.a) and having a molecular mass of 10.7kDa. IRF5 is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary

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

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chromatographic techniques.

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