

TECHNICAL DATA SHEET

Recombinant Human IL-28A (IFN-lambda 2) (Carrier-free)

Catalog Number: 21-8363

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human IL-28A (IFN-lambda 2) (Carrier-free)

DESCRIPTION

IL-28A, also known as interferon lambda 2 (IFN-lambda2), is distantly related to type I interferons and the IL-10 family of cytokines. Along with IL-28B (IFN-lambda3) and IL-29 (IFN-lambda1), IL-28A belongs to the IFN-lambda family of type III interferons. Expression of the IFN-lambda family of cytokines is triggered by virus infection. All three members bind to a receptor complex composed of an IFN-lambda R1 subunit (also called IL-28R alpha) and IL-10R2 subunit (also called IL-10R beta), inducing antiviral activity.

MOLECULAR MASS

Recombinant human IFN-λ 2 is a 19.6 kDa protein containing 174 amino acid residues.

AMINO ACID SEQUENCE

PVARLHGALP DARGCHIAQF KSLSPQELQA FKRAKDALEE SLLLKDCRCH SRLFPRTWDL RQLQVRERPM ALEAELALTL
 KVLEATADTD PALVDVLDQP LHTLHHILSQ FRACIQPQPT AGPRTRGRLL HWLYRLQEAP KKESPGCLEA SVTFNLFRL
 TRDLNCVASG DLCV

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/μg of protein (<1 EU/μg).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

BIOACTIVITY

Determined by its ability to activate STAT phosphorylation in an ISRE Luciferase Reporter Assay using human colon carcinoma COLO205 cells. The expected ED₅₀ is 0.3-0.5 ng/ml.

RESEARCH AREAS

Diabetes / Weight Regulation

RECONSTITUTION

See Certificate of Analysis (COA) for lot specific reconstitution information.

REFERENCES

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