

TECHNICAL DATA SHEET

Recombinant Mouse IL-12 p40 (Carrier-free)

Catalog Number: 21-9225

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Mouse IL-12 p40 (Carrier-free)

DESCRIPTION

Interleukin 12 (IL-12) is produced by activated antigen-presenting cells and is secreted as a 70 kD heterodimeric glycoprotein comprised of disulfide-bonded 35 kD (p35) and 40 kD (p40) subunits. It promotes the development of Th1 responses and is a powerful inducer of IFN γ production by T and NK cells. Recombinant Mouse IL-12 p40 is a 40.0 kDa protein consisting of 313 amino acid residues.

MOLECULAR MASS

40 kDa

AMINO ACID SEQUENCE

MWELEKDVYV VEVDWTPDAP GETVNLTCDT PEEDDITWTS DQRHGVIQSG KTLTITVKEF LDAGQYTCHK GGETLSHSHL LLHKKENGIV STEILKNFKN
 KTFKCEAPN YSGRFTCSWL VQRNMDLKFN IKSSSSPDS RAVTCGMASL SAEKVTLQDR DYEKYSVSCQ EDVTCPTAEE TLPIELALEA RQQNKYENYS
 TSFFIRDIK PDPPKNLQMK PLKNSQVEVS WEYPDSWSTP HSYFSLKFFV RIQRKKEKMK ETEEGCNQKG AFLVEKTSTE VQCKGGNVCV
 QAQDRYYNSS CSKWACVPCR VRS

SOURCE

HEK293

APPLICATIONS

Bioassay

PURITY

95 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

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

AUTHENTICITY

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

CROSS REACTIVITY

N/A

BIOACTIVITY

Determined by its ability to inhibit the proliferative effect of 2 ng/ml mL-12p70 in T cell-enriched PBMCs.

RESEARCH AREAS

Angiogenesis/Cardiovascular, Allergy, Apoptosis, Cancer, COVID-19, Immune System, Inflammation, Neurobiology, Stem Cells & Differentiation, Transplantation

RECONSTITUTION

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

REFERENCES

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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