

TECHNICAL DATA SHEET

Recombinant Human Galectin-1 (Carrier-free)

Catalog Number: 21-7056

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human Galectin-1 (Carrier-free)

DESCRIPTION

Galectin-1 is a carbohydrate binding protein that is implicated in modulating cell-cell and cell-matrix interactions. Galectin-1 is an animal lectin that has been shown to interact with CD3, CD4, and CD45 and induce apoptosis of activated T-cells.

MOLECULAR MASS

Recombinant human Galectin-1 is a 14.5 kDa protein containing 134 amino acid residues.

AMINO ACID SEQUENCE

ACGLVASNLN LKPGECLRVR GEVAPDAKSF VLNLGKDSNN LCLHFNPRFN AHGDANTIVC NSKDGGAWGT EQREAVFPFQ
PGSVAEVCIT FDQANLTVKL PDGYEFKFPN RLNLEAINYM AADGDFKIKC VAFD

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

Mouse

BIOACTIVITY

Determined by its ability to chemoattract human blood monocytes. Chemotactic activity was observed at a concentration of 2.5 μg/ml with a peak response obtained at 250 μg/ml.

RESEARCH AREAS

Apoptosis; Cancer; Immune System

RECONSTITUTION

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

REFERENCES

Reuss Barondes SH, Castronovo V, Cooper DN, Cummings RD, Drickamer K, Feizi T, Gitt MA, Hirabayashi J, Hughes C, Kasai K, et al. 1994. Cell. 76(4): 597-598. Hadari YR, Arbel-Goren R, Levy Y, Amsterdam A, Alon R, Zakut R, Zick Y. 2000. J Cell Sci. 113(Pt 13): 2385-2397.

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