

**TECHNICAL DATA SHEET**

# Recombinant Human Galectin-3 (Carrier-free)

Catalog Number: 21-7057

## RPx-Pro™ Recombinant Protein

### PRODUCT INFORMATION

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Recombinant Human Galectin-3 (Carrier-free)

#### DESCRIPTION

Galectin-3 is a carbohydrate binding protein that is involved in a wide range of biologic functions including cell adhesion, growth and differentiation, inflammatory responses and metastasis.

#### MOLECULAR MASS

Recombinant human Galectin-3 is a globular 26.0kDa protein containing 250 amino acid residues, but no disulfide bonds

#### AMINO ACID SEQUENCE

ADNFSLHDAL SGSGNPNPQG WPGAWGNQPA GAGGYPGASY PGAYPGQAPP GAYPGQAPPG AYHGAPGAYP GAPAPGVYPG  
PPSGPGAYPS SGQPSAPGAY PATGPYGAPA GPLIVPYNLP LPGGVVPRML ITILGTVKPN ANRIALDFQR GNDVAFHFNP  
RFNENNRVVI VCNTKLDNNW GREERQSVFP FESGKPFKIQ VLVEPDHFKV AVNDAHLLQY NHRVKKLNEI SKLGISGDID LTSASYTMI

#### 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; Inflammation

#### RECONSTITUTION

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

#### REFERENCES

Hadari YR, Arbel-Goren R, Levy Y, Amsterdam A, Alon R, Zakut R, Zick Y. 2000. J Cell Sci. 113 ( Pt 13): 2385-2397. Henderson NC, Mackinnon AC, Farnworth SL, Poirier F, Russo FP, Iredale JP, Haslett C, Simpson KJ, Sethi T. 2006. Proc Natl Acad Sci U S A. 103(13): 5060-5065.

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