

TECHNICAL DATA SHEET

# Recombinant Human GITRL (Carrier-free)

Catalog Number: 21-7146

**RPx-Pro™ Recombinant Protein**  
PRODUCT INFORMATION

**CONTENTS**

Recombinant Human GITRL (Carrier-free)

**DESCRIPTION**

GITRL, also known as TNFSF18 and AITRL, along with its corresponding receptor, are members of the TNF superfamily. GITRL is expressed in endothelial cells and is thought to modulate T lymphocyte survival in peripheral tissues. It plays a role in interactions between activated T lymphocytes and endothelial cells. GITRL also triggers an increase in the capability of endothelial cells to support leukocyte adhesion.

**MOLECULAR MASS**

Recombinant Human GITRL contains 127 amino acid residues, which corresponds to the extracellular domain of GITRL, resulting in a 14.4 kD protein.

**AMINO ACID SEQUENCE**

METAKEPCMA KFGPLPSKWQ MASSEPPCVN KVSDWKLEIL QNGLYLIYQV VAPNANYNDV APFEVRLYKN KDMIQTLTNK SKIQNVGGTY ELHVGDTIDL IFNSEHQVLK NNTYWGIIILL ANPQFIS

**SOURCE**

E. coli

**APPLICATIONS**

Bioassay

**PURITY**

98 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

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

**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**

Within a concentration range of 1.0-10.0 ng/ml, its ability to stimulate IL-8 production by human PBMC is determined. Results may vary due to differences between PBMC donors.

**RESEARCH AREAS**

TNF Superfamily, Immune System, Differentiation, Apoptosis, Stem Cells

**RECONSTITUTION**

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

**REFERENCES**

Lacal PM, Petrillo MG, Ruffini F, Muzi A, Bianchini R, Ronchetti S, Migliorati G, Riccardi C, Graziani G and Nocentini GJ. Pharmacol. 2013. Exp Ther. 347: 164-172 Kwon B1, Yu KY, Ni J, Yu GL, Jang IK, Kim YJ, Xing L, Liu D, Wang SX and Kwon BS. J Biol Chem. 1999. 274(10): 6056-6061. Stephens GL, McHugh RS, Whitters MJ, Young DA, Luxenberg D, Carreno BM, Collins M and Shevach EM. J Immunol. 2004. 173(8): 5008-5020. Kim JD, Choi BK, Bae JS, Lee UH, Han IS, Lee HW, Youn BS, Vinay DS and Kwon BS. Genes Immun. 2003. 4(8): 564-569.

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