

TECHNICAL DATA SHEET

Recombinant Human sFas Ligand (Carrier-free)

Catalog Number: 21-7047

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human sFas Ligand (Carrier-free)

DESCRIPTION

Fas Ligand (FasL) is a member of the TNF superfamily that is expressed on the cell surface of activated T cells. FasL induces the apoptotic cell death of cells bearing Fas Receptor (CD95) and plays a critical role in immune system homeostasis, cell-mediated killing and termination of an immune response.

MOLECULAR MASS

Recombinant human soluble Fas Ligand is a 17.9 kDa protein comprising the TNF homologous region of FasL and contains an 8 residue N-terminal His-Tag.

AMINO ACID SEQUENCE

HHHHHHHHPS PPPEKKELRK VAHLTGKSNS RSMPLWEDT YGIVLLSGVK YKKGGLVINE TGLYFVYSKV YFRGQSCNNL
PLSHKVYMRN SKYPQLVMM EGKMMSYCTT GQMWARSSYL GAVFNLTSD HLYVNVSELS LVNFEESQTF FGLYKL

SOURCE

CHO cells

APPLICATIONS

Bioassay

PURITY

95 %

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 induce cytotoxicity in Jurkat cells in the absence of any cross-linking. The ED₅₀ for this effect is ≤ 10.0 ng/ml, corresponding to a specific activity of ≥ 1 x 10⁵ units/mg.

RESEARCH AREAS

Apoptosis; Immune System; TNF Superfamily

RECONSTITUTION

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

REFERENCES

Suda T, Takahashi T, Golstein P, Nagata S. 1993. Cell. 75(6): 1169-1178. Stranges PB, Watson J, Cooper CJ, Choisy-Rossi CM, Stonebraker AC, Beighton RA, Hartig H, Sundberg JP, Servick S, Kaufmann G, Fink PJ, Chervonsky AV. 2007. Immunity. 26(5): 629-41.

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