

TECHNICAL DATA SHEET

Recombinant Human OTOR (Carrier-Free)

Catalog Number: 21-9088

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human OTOR (Carrier-Free)

DESCRIPTION

OTOR, also called Otoraplin and MIAL, is a secreted cytokine of the MIA/OTOR family. Members of this family, which include MIA, MIA2, and TANGO, share a Src homology-3 (SH3)-like domain. OTOR is predominantly expressed in the cochlea of the inner ear, and, to a lesser extent, in fetal brain tissue and some cartilage tissues. OTOR appears to be involved in early chondrogenesis of the otic capsule, which is required for normal inner ear development and auditory function.

MOLECULAR MASS

Recombinant Human OTOR is a 12.7 kDa globular protein containing 112 amino acid residues.

AMINO ACID SEQUENCE

MVHGIFMDRL ASKKLCADDE CVYTISLASA QEDYNAPDCR FINVKKGQQI YVYSKLVKENGAGEFWAGSV YGDGQDEMGMV VGYFPRNLVK
EQRVYQEATK EVPTTDDIFF CE

SOURCE

E.coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

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

ENDOTOXIN LEVEL

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

AUTHENTICITY

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

CROSS REACTIVITY

BIOACTIVITY

Data not available at this time.

RESEARCH AREAS

Angiogenesis/Cardiovascular, Cancer

RECONSTITUTION

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

REFERENCES

Arnolds O, Zhong X, Tuo Yip K, Schöpel M, Kohl B, Pütz S, Abdel-Jalil R, Stoll R. *Curr Med Chem.* 2017;24(17):1788-1796. doi: 10.2174/0929867324666170608104347. Horowitz YS, Eliyahu I, Oster L. *Radiat Prot Dosimetry.* 2016 Dec;172(4):524-540. doi: 10.1093/rpd/ncv495.

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