9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

OSCAR Human

Osteoclast Associated, Immunoglobulin-Like Receptor Human Recombinant
RCP1567

Product Overview

Name	OSCAR Human

Description

Osteoclast Associated, Immunoglobulin-Like Receptor Human Recombinant

Accession (Primary)	Q8IYS5

Synonyms

PIGR3, Osteoclast-associated immunoglobulin-like receptor, hOSCAR, Polymeric immunoglobulin receptor 3, OSCAR, PIgR-3, PIgR3, Poly-Ig receptor 3.

Introduction

Osteoclasts are multinucleated cells that resorb bone and are essential for bone homeostasis. OSCAR plays crucial roles in the regulation of the innate and adaptive immune responses.Unlike the other LRC members, OSCAR expression is found specifically in preosteoclasts or mature osteoclasts. OSCAR is an important bone-specific regulator of osteoclast differentiation. Multiple alternative splicing transcript variants encodes different isoforms have been found for this gene.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

OSCAR protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M Urea and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS DITPSVA IIVPPASYHP KPWLGAQPAT VVTPGVNVTL RCRAPQPAWR FGLFKPGEIA PLLFRDVSSE LAEFFLEEVT PAQGGIYRCC YRRPDWGPGV WSQPSDVLEL LVTEELPRPS LVALPGPVVG PGANVSLRCA GRLRNMSFVL YREGVAAPLQ YRHSAQPWAD FTLLGARAPG TYSCYYHTPS

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APYVLSQRSE VLVISWEGEG PEARPASSAP GMQAPGPPPS DPGAQAPSLS SFRPRGLVLQ PLLPQTQDSW DPAPPPSDPG V.

Precautions

OSCAR Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8IYS5)