

Recombinant human OSCAR protein

Catalog Number: ATGP2129

PRODUCT INFORMATION

Expression system

E.coli

Domain

19-286aa

UniProt No.

Q8IYS5

NCBI Accession No.

NP_996554.1

Alternative Names

Osteoclast-associated immunoglobulin-like receptor isoform 1, PIGR3

PRODUCT SPECIFICATION

Molecular Weight

31.2 kDa (291aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Osteoclasts are multinucleated cells that resorb bone and are essential for bone homeostasis. OSCAR is a member of the leukocyte receptor complex (LRC) protein family that plays critical roles in the regulation of both innate and adaptive immune responses. Different from the other LRC members, OSCAR expression is detected specifically in preosteoclasts or mature osteoclasts. OSCAR may be an important bone-specific regulator of osteoclast differentiation. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. Recombinant human OSCAR protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

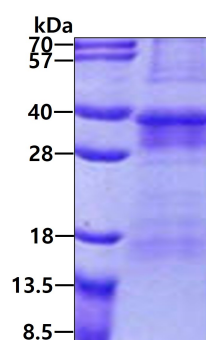
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FGLFKPGEIA PLLFRDVSSE LAEFFLEEV TPAQGGIYRCC YRRPDWGPGV WSQPSDVLEL LVTEELPRPS LVALPGPVVG
PGANVSLRCA GRLRNMSFVL YREGVAAPLQ YRHSAPWAD FTLLGARAPG TYSCYYHTPS APYVLSQRSE VLVISWEGEG
PEARPASSAP GMQAPGPPPS DPGAQAPSL SFRPRGLVLQ PLLPQTQDSW DPAPPPSDPG V

General References

Kim N, Takami M, et al. (2002). J Exp Med. 195(2):201-9.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.