

Recombinant Human OSCAR, His-tagged

Cat. No. OSCAR-7618H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human OSCAR protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	19-286aa
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.?
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	31kDa (291aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSDITPSVA IIVPPASYHP KPWLGAQPAT VVTGPNVTL RCRAPQPAWR FGLFKPGEIA PLLFRDVSSE LAEFFLEEVT PAQGGIYRCC YRRPDWGPGV WSQPSDVLEL LVTEELPRPS LVALPGPVVG PGANVSLRCA GRLRNMSFVL YREGVAAPLQ YRHSAPQWAD FTLLGARAPG

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TYSCYYHTPS APYVLSQRSE VLVISWEGEG PEARPASSAP GMQAPGPPPS
DPGAQAPSL SFRPRGLVLQ PLLPQTQDSW DPAPPPSDPG V

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml

GENE INFORMATION

Gene Name OSCAR osteoclast associated, immunoglobulin-like receptor [Homo sapiens]

Official Symbol OSCAR

Synonyms OSCAR; osteoclast associated, immunoglobulin-like receptor; osteoclast-associated immunoglobulin-like receptor; PIgR-3; hOSCAR; poly-Ig receptor 3; osteoclast-associated receptor; polymeric immunoglobulin receptor 3; osteoclast associated receptor OSCAR-S1; osteoclast associated receptor OSCAR-S2; PIGR3; MGC33613;

Gene ID [126014](#)

mRNA Refseq [NM_206818](#)

Protein Refseq [NP_996554](#)

MIM [606862](#)

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UniProt ID	Q8IYS5
Chromosome Location	19q13.42
Pathway	Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem;
Function	receptor activity;

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