

Recombinant human OSCAR protein

Catalog Number: ATGP3806

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

19-282aa

UniProt No.

Q8IYS5

NCBI Accession No.

NP_001269278

Alternative Names

Osteoclast-associated immunoglobulin-like receptor isoform 6, OSCAR, PlgR-3, PIGR3

PRODUCT SPECIFICATION

Molecular Weight

29.2 kDa (270aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

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

OSCAR, also known as osteoclast-associated immunoglobulin-like receptor isoform 6, is an activating receptor expressed by human myeloid cells. It is a receptor for surfactant protein D that activates TNF-alpha release from human CCR2+ inflammatory monocytes. It is an FcRgamma-associated receptor that is expressed by myeloid cells and is involved in antigen presentation and activation of human dendritic cells. Its expression is detected

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specifically in preosteoclasts or mature osteoclasts. It is upregulated on monocytes from rheumatoid arthritis (RA) patients with active disease, and these monocytes show an increased proosteoclastogenic potential. Recombinant human OSCAR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

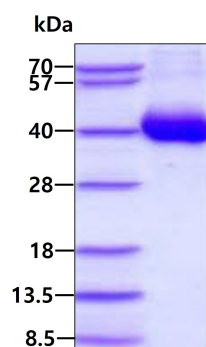
DITPSVPPAS YHPKPWLGAQ PATVVTPGVN VTLRCRAPQP AWRFGFLFKPG EIAPLLFRDV SSELAEFFLE EVTPAQGGSY
RCCYRRPDWG PGVWSQPSDV LELLVTEELP RPSLVALPGP VVGPGANVSL RCAGRLRNMS FVLYREGVAA PLQYRHSAQP
WADFTLLGAR APGTYSYCYH TPSAPYVLSQ RSEVLVISWE GEGPEARPAS SAPGMQAPGP PPSDPGAQAP SLSSFRPRGL
VLQPLLPTQ DSWDPAPPPS DPGV<HHHHHH>

General References

Schultz HS., et al. (2016) Eur J Immunol. 46:952-963.
Zhou L., et al. (2016) Blood. 127:529-537.

DATA

SDS-PAGE



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