

# Recombinant Human OSCAR Protein

Catalog No.: RP02616 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	126014	Q8IYS5-1

### Tags

C-hFc

### Synonyms

mOSCAR; OSCAR; PIGR3; PlgR-3; Poly-Ig receptor 3; MGC33613

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
49.8 kDa	60-70 kDa

### Endotoxin

Less than 1EU per µg by the LAL method.

### Formulation


#### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Osteoclast-associated receptor (OSCAR) is a co-stimulatory receptor in osteoclastogenesis. Synovial tissues from active rheumatoid arthritis (RA) patients express higher levels of OSCAR compared with osteoarthritic and normal patients. OSCAR and tartrate-resistant acid phosphatase (TRAP) expression levels did not differ between the cartilage pannus junction (CPJ) and non-CPJ regions in active RA.

## Basic Information

### Description

Recombinant Human OSCAR Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Asp19-Asn229.

### Bio-Activity

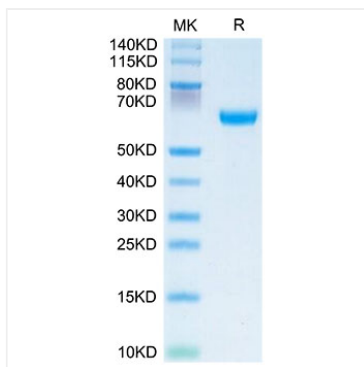
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

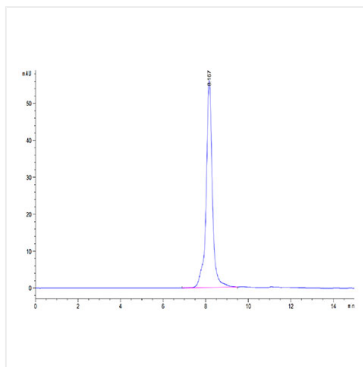
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

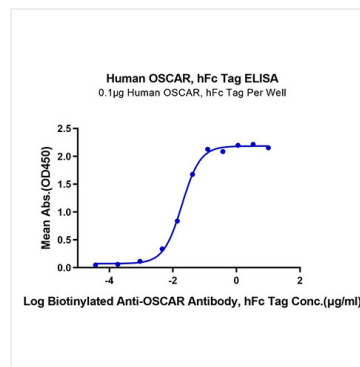
## Validation Data



Human OSCAR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human OSCAR is greater than 95% as determined by SEC-HPLC.



Immobilized Human OSCAR, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-OSCAR Antibody, hFc Tag with the EC<sub>50</sub> 19.2ng/ml determined by ELISA.