



Recombinant Human Osteoclast-associated immunoglobulin-like receptor (OSCAR)

Product Code	CSB-MP811628HU
Abbreviation	OSCAR
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8IYS5
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	DI TPSVPPASYH PKPWLGAQPA TVVTPGVNVT LRCRAPQPAW RFGLFKPGEI APLLFRDVSS ELAEFFLEEV TPAQGGIYRC CYRRPDWGPG VWSQPSDVLE LLVTEELPRP SLVALPGPVV GPGANVSLRC AGRLRNMSFV LYREGVAAPL QYRHSAPWA DFTLLGARAP GTYSCYYHTP SAPYVLSQRS EVLVISWEGE GPEARPASSA PGMQAPGPPP SDPGAQAPSL SSFRPRGLVL QPLLPTQDS WDPAPPPSDP GV
Source	Mammalian cell
Target Names	OSCAR
Protein Names	Recommended name: Osteoclast-associated immunoglobulin-like receptor Short name= Osteoclast-associated receptor Short name= hOSCAR Alternative name(s): Polymeric immunoglobulin receptor 3 Short name= PIgR-3 Short name=
Expression Region	19-282
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	Osteoclasts are multinucleated cells that resorb bone and are essential for bone homeostasis. This gene encodes an osteoclast-associated receptor (OSCAR), which 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.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.