
Product Data Sheet

Product Name: OSCAR Human, Sf9
 Cat. No.: GP24109
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	OSCAR; PlgR-3; PIGR3; hOSCAR; PlgR-3; Poly-Ig Receptor 3.		
Amino Acid Sequence	DITPSVPPAS YHPKPWLGAQ PATVVTPGVN VTLRCRAPQP AWRFGFLFKPG EIAPLLFRDV SSELAEFFLE EVTPAQGGSY RCCYRRPDWG PGVWSQPSDV LELLVTEELP RPSLVALPGP VVGPGANVSL RCAGRLRNMS FVLYREGVAA PLQYRHSAPQ WADFTLLGAR APGTYSCYYH TPSAPYVLSQ RSEVLVISWE GEGPEARPAS SAPGMQAPGP PPSDPGAQAP SLSSFRPRGL VLQPLLPTQ DSWDPAPPPS DPGVHHHHHH.		
Formulation	OSCAR protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) & 10% glycerol.		

Introduction

Osteoclast-associated immunoglobulin-like receptor isoform 6 or OSCAR, is a receptor for surfactant protein D that can be found on human myeloid cells. OSCAR is part of the TNF- α release from human CCR2+ inflammatory monocytes process. The protein is involved in antigen presentation and activation of dendritic cells. Preosteoclasts or mature osteoclasts express the OSCAR protein. Patients that suffer from RA (rheumatoid arthritis) has upregulations on monocytes which present increased proosteoclastogenic potential.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

OSCAR produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (19-

Caution: Product has not been fully validated for medical applications. For research use only.

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282 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 270 amino acids and having a molecular mass of 29.2kDa. OSCAR shows multiple bands between 40-57kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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