

OSCAR, 19-286aa, Human, His tag, E.coli

Cat.NO.: TP03260

3th Edition

Synonyms:Osteoclast-associated immunoglobulin-like receptor isoform 1, PIGR3

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. Recombinant human OSCAR protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight:31kDa (291aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSDITPSVAIIVPPASYHPKPWLGAQPATVVTPGVNVTLCRAPQPAWRFGFLFK
PGEIAPLLFRDVSSELAEFFLEEVTPAQGGIYRCCYRRPDWPGVWSQPSDVLELLVTEELPRPSLVALPGPVVGP
GANVSLRCAGRLRNMSFVLYREGVAAPLQYRHSAPWADFTLLGARAPGTYSYHTPSAPYVLSQRSEVLVISW
EGEGPEARPASSAPGMQAPGPPSPDGAQAPSLSSFRPRGLVLQPLLPQTQDSWDPAPPPSDPGV

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.