

Active Recombinant Mouse Oscar Protein, Fc-tagged

Cat. No. Oscar-001M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Oscar (Asp19-Asn228) protein fused with Fc region of human IgG1 (Pro100-Lys330) at C-terminus was expressed in mouse myeloma cell line.
Species	Mouse
Source	Mammalian Cells
ProteinLength	19-228 a.a.
Description	Regulator of osteoclastogenesis which plays an important bone-specific function in osteoclast differentiation.
Form	Disulfide-linked homodimer
Bio-activity	Measured by its binding ability in a functional ELISA. When Bovine Collagen I is coated at 10 µg/mL, Recombinant Mouse OSCAR Fc Chimera binds with an ED50 of 80-640 ng/mL.
Molecular Mass	49 kDa
N-terminal Sequence Analysis	Asp19
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.

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Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	12 months from date of receipt, ≤ -20 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, ≤ -20 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	Reconstitute at 500 µg/mL in PBS.
GENE INFORMATION	
Gene Name	Oscar osteoclast associated receptor [Mus musculus (house mouse)]
Official Symbol	Oscar
Synonyms	mOSCAR; mOSCAR-M1; mOSCAR-M2; mOSCAR-M3; Oscar; osteoclast associated receptor; osteoclast-associated immunoglobulin-like receptor; ocl178; osteoclast-associated receptor OSCAR
Gene ID	232790
mRNA Refseq	NM_175632
Protein Refseq	NP_783440
UniProt ID	Q8VBT3