

## OSCAR Protein, Human (HEK293, Fc)

Cat. No.:	HY-P78011
Synonyms:	mOSCAR; OSCAR; PIGR3; PlgR-3; Poly-Ig receptor 3; MGC33613
Species:	Human
Source:	HEK293
Accession:	Q8IYS5 (D19-N229)
Gene ID:	126014
Molecular Weight:	60-70 kDa

### PROPERTIES

Biological Activity	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.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	OSCAR, a key orchestrator in bone biology, emerges as a crucial regulator of osteoclastogenesis, wielding significant influence in the intricate process of osteoclast differentiation. With a bone-specific focus, OSCAR exerts its regulatory prowess to fine-tune the mechanisms governing the formation and maturation of osteoclasts. Through its pivotal role in osteoclastogenesis, OSCAR contributes to the dynamic equilibrium of bone remodeling, playing a crucial part in maintaining skeletal homeostasis and structural integrity.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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