

## OSMR&GP130 Protein, Human (HEK293, His-Flag)

Cat. No.:	HY-P700807
Synonyms:	
Species:	Human
Source:	HEK293
Accession:	Q99650-1 (E28-M740)&P40189-1 (E23-E619)
Gene ID:	9180&3572
Molecular Weight:	100-140 kDa

### PROPERTIES

Biological Activity	Immobilized Human OSMR&GP130, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-OSMR Antibody, hFc Tag with the EC <sub>50</sub> of 7.0ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% 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	The IL-23R protein plays a critical role in immune response by forming the interleukin-23 receptor through its association with IL12RB1. This receptor binds to IL23 and triggers the activation of T-cells, NK cells, and potentially certain macrophage/myeloid cells via the Jak-Stat signaling cascade. IL23 is involved in both innate and adaptive immunity and likely contributes to the acute response to infection in peripheral tissues. Additionally, IL23 is implicated in autoimmune inflammatory diseases and has been shown to be important in tumorigenesis. When IL12RB1 is present, IL-23R forms a heterodimer that acts as the IL-23 receptor and interacts with JAK2 to activate STAT3.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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