

Rev03  
 Update: Aug,08,2025

**DATASHEET**

# OSMR beta-GPL fusion, His, Human

Cat. No.: Z05722

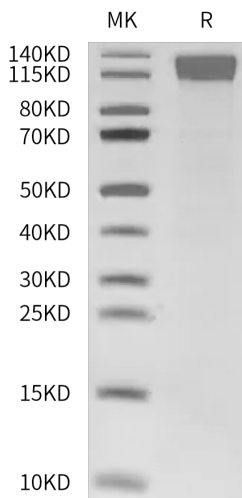
## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>OSMR beta-GPL fusion (Met1-Ala428 (OSMR beta) and Leu21-Glu225 (GPL))_x000D</b>  <b>Accession # Q99650-1(OSMR beta)&amp;O8NI17-1(GPL)</b> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <span>N-term</span> <span style="background-color: #90c17e; padding: 2px 5px; font-weight: bold;">His</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized OSMR beta-GPL fusion, His, Human at 1µg/ml (100µl/well) on the plate can bind AntiOSMR Antibody, hFc Tag. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	75.84 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 110-140 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Examples



Immobilized OSMR beta-GPL fusion, His, Human, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-OSMR Antibody, hFc Tag with the EC50 of 5.1ng/ml determined by ELISA.



OSMR beta-GPL fusion, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

## Background

**Target Background :** OSMR involvement, together with Gp130-like receptor (GPL), also known as IL-31R, in the formation of a functional IL-31 receptor complex. OSMR-GPL fusion protein was designed to contain the domains of OSMR and GPL required for high affinity IL-31 binding.

**Synonyms :** OSMR-GPL

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China