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Datasheet for ABIN7275385

## Oncostatin M Receptor Protein (OSMR) (AA 24-737) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	Oncostatin M Receptor (OSMR)
Protein Characteristics:	AA 24-737
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Oncostatin M Receptor protein is labelled with His tag.

#### Product Details

Purpose:	Mouse OSMR Protein
Sequence:	Glu24-Met737
Characteristics:	Recombinant Mouse OSMR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu24-Met737.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	Oncostatin M Receptor (OSMR)
Alternative Name:	OSMR ( <a href="#">OSMR Products</a> )

## Target Details

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**Background:** OSMR is targeted to the mitochondrial matrix via the presequence translocase-associated motor complex components, mtHSP70 and TIM44. OSMR interacts with NADH ubiquinone oxidoreductase 1/2 (NDUFS1/2) of complex I and promotes mitochondrial respiration. Deletion of OSMR impairs spare respiratory capacity, increases reactive oxygen species, and sensitizes BTSCs to IR-induced cell death.

**Molecular Weight:** 83.2 kDa. Due to glycosylation, the protein migrates to 115-140 kDa based on Tris-Bis PAGE result.

**Pathways:** [JAK-STAT Signaling, Growth Factor Binding](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

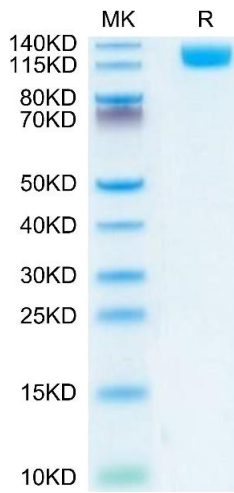
**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

**Buffer:** Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

**Storage:** -20 °C,-80 °C

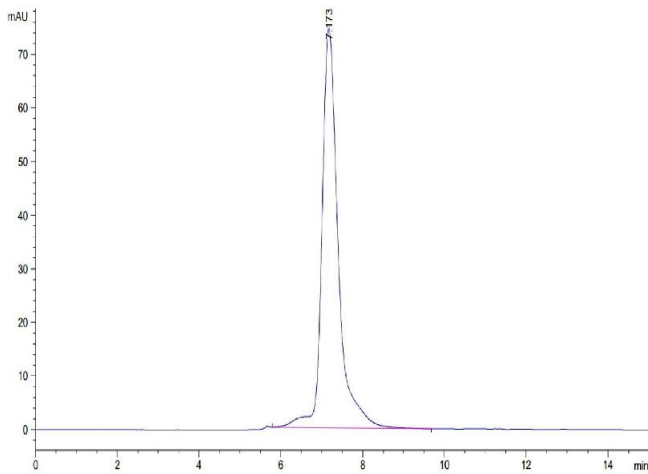
**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



### SDS-PAGE

**Image 1.** Mouse OSMR on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse OSMR is greater than 95 % as determined by SEC-HPLC.