

# Felis catus OSMR beta Protein

Cat. No. OSM-FM10R

## Description

<b>Source</b>	Recombinant Felis catus OSMR beta Protein is expressed from HEK293 with His tag at the C-terminus. It contains Glu28-His735.
<b>Accession</b>	A0ABI8A7V8
<b>Molecular Weight</b>	The protein has a predicted MW of 81.80 kDa. Due to glycosylation, the protein migrates to 120-140 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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.

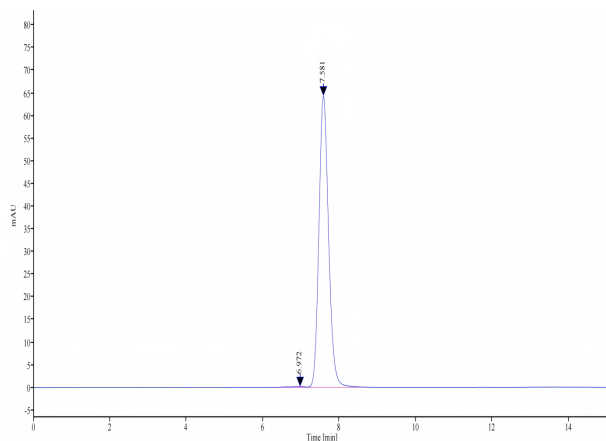
## Assay Data

### Bis-Tris PAGE



Felis catus OSMR beta on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Felis catus OSMR beta is greater than 95% as determined by SEC-HPLC.