

For Research Use Only

# Recombinant Human TMEM119 protein (His Tag)



Catalog Number: Eg0796

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
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## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human TMEM119 protein Thr118-Val283 (Accession# Q4V9L6) with a His tag at the C-terminus.

**GeneID:**  
338773

**Accession:**  
Q4V9L6

**Predicted Molecular Mass:**  
18.4 kDa

**SDS-PAGE:**  
28-32 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**  
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

TMEM119, also known as Osteoblast Induction Factor (OBIF), plays important role in bone formation and normal bone mineralization. It is a highly expressed microglia-specific marker in both mouse and human. TMEM119 implicated in various cancers including gastric, osteosarcoma and hepatocellular carcinoma.

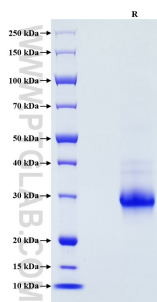
## References

- 1.Zheng P. et al. (2018) Oncol Lett. 15(6):8281-8286.
- 2.Jiang ZH. et al. (2017) Exp Mol Med. 49(5):e329.
- 3.Bai KH. et al. (2020) Cancer Med. 9(12):4290-4298.

## Synonyms

OBIF, Osteoblast induction factor, transmembrane protein 119, UNQ731/PRO1415

## Selected Validation Data



Purity of Recombinant Human TMEM119 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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