

For Research Use Only

Recombinant Human OMD protein (rFc Tag)



Catalog Number: Eg2816

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human OMD protein Gln21-Glu421 (Accession# Q99983) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

4958

Accession:

Q99983

Predicted Molecular Mass:

73.2 kDa

SDS-PAGE:

75-90 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ 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

Osteomodulin (OMD) is a keratan sulfate proteoglycan and a member of the SLRP family. OMD was originally isolated and characterized from bone and shown to be strongly expressed by osteoblasts. Although OMD is considered to be mainly expressed in bone, its expression has been observed in other cell types, such as articular chondrocytes and fibrochondrocytes.

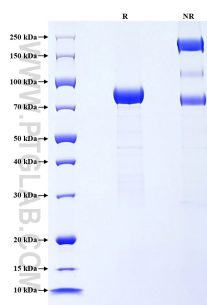
References

1. Wendel M, et al. (1998). Cell Biol. 141:839-847.
2. Sommarin Y, et al. (1998). J. Biol. Chem. 273:16723-16729.
3. Juchtmans N, et al. (2015). Arthritis Rheumatol. 67:435-441.

Synonyms

OMD, KSPG osteomodulin, OSAD, Osteoadherin, SLRR2C

Selected Validation Data



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

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

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