For Research Use Only

Recombinant Human FSTL3/FLRG protein (His Tag)

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Catalog Number: Eg0949

Basic Information

Species: Human

Purity: >90 %, SDS-PAGE

Tag: His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human FSTL3 protein Met27-Val263 (Accession# O95633-1) with a His tag at the C-terminus.

GeneID:
10272

Accession:
O95633-1

Predicted Molecular Mass:
26.0 kDa

SDS-PAGE:
30-36 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

Follistatin-like 3 (FSTL3), also called follistatin-related protein or follistatin-related gene (FLRG) protein, is a highly conserved monomer secreted glycoprotein located on chromosome 19p13.3. The FSTL3 gene is the target of a novel chromosomal rearrangement discovered by Hayette et al in 1998 in B cells of patients with chronic lymphocytic leukemia. FSTL3 can modulate target gene expression via members of the transforming growth factor β (TGF- β) superfamily. Recent literatures have revealed that FSTL3 regulates multiple biological processes, including cell differentiation, aging, obesity development, arteriosclerosis development, and tumor progression.

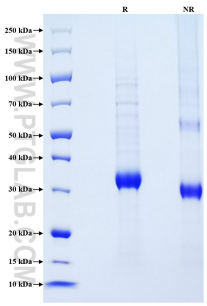
References

1. S Hayette. et al. (1998) Oncogene. 16(22):2949-54.
2. Yisrael Sidis. et al. (2002) Endocrinology. 143(5):1613-24
3. Yisrael Sidis. Et al. (2005) Endocrinology. 146(1):130-6.

Synonyms

FLRG, FSTL3, Follistatin like protein 3, follistatin-like 3, Follistatin-like protein 3

Selected Validation Data



Purity of Recombinant Human FSTL3 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.