

Catalog Number: Eg3884

Basic Information**Species:**
Rat**Purity:**
>90 %, SDS-PAGE**Tag:**
C-mFc**Technical Specifications****Purity:**

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Rat Fas protein Gln22-Lys170 (Accession# Q63199) with a mouse IgG Fc tag at the C-terminus.

GeneID:

246097

Accession:

Q63199

Predicted Molecular Mass:

43.4 kDa

SDS-PAGE:

46-60 kDa, reducing (R) condition

Formulation:

Lyophilized from 0.22 µm 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

FASN (fatty acid synthase, also named Fas) is a multi-enzyme protein that serves as the key regulator in lipid metabolism, especially fatty acid synthesis. Upregulated FASN expression has been reported to be associated with cancer progression in multiple cancer types, such as prostate cancer, ovarian cancer, breast cancer, and liver cancer. FASN may serve as an oncogenic factor due to its role in regulating cancer cell fatty acid synthesis or driving aberrant lipogenesis in cancer cells. In cervical cancer, studies have utilized gene expression analysis to identify FASN as a potential prognostic or therapeutic target.

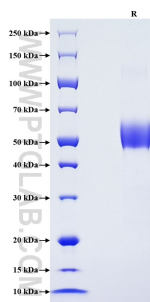
References

1. Flavin R, et al. (2010). Future Oncol. 6:551-562.
2. Che L, et al. (2020). Gut. 69:177-186.
3. Roszik J, et al. (2018). Front Immunol. 9:2102.
4. Xia L, et al. (2018). Front Oncol. 8:368.

Synonyms

Apo-1 antigen, Apoptosis-mediating surface antigen FAS, Apt1, CD95, FASLG receptor

Selected Validation Data



Purity of Recombinant Rat Fas 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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