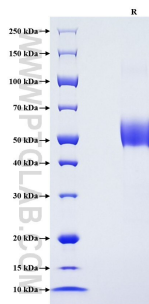


Catalog Number: Eg3884

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		
For technical support and original validation data for this product please contact			
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.			

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.