

# Recombinant Rat Fas Ligand/TNFSF6 protein (rFc Tag)

Catalog Number: Eg3218

Basic Information	Species: Rat	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;1.0 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Rat Fas Ligand/TNFSF6 protein His103-Leu278 (Accession# P36940) with a rabbit IgG Fc tag at the N-terminus.</p> <p><b>GeneID:</b> 25385</p> <p><b>Accession:</b> P36940</p> <p><b>Predicted Molecular Mass:</b> 47.3 kDa</p> <p><b>SDS-PAGE:</b></p> <p><b>Formulation:</b> Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Fas Ligand (also known as FasL, CD95L and CD178) is a 40-kDa type II transmembrane protein that binds to Fas (CD95), a widely expressed glycosylated cell surface molecule of 45-52-kDa. Fas Ligand is primarily expressed by lymphocytes and other immune cell types, such as Natural Killer (NK) cells. These cells induce Fas signaling on cells targeted for removal by the immune system resulting in the activation of apoptosis in sensitive cells. Fas Ligand and Fas, play an essential role in deletion of peripheral T cells and in homeostasis of organ tissues such as liver.</p>		
References	<ol style="list-style-type: none"><li>1.Caulfield AJ and Lathem WW. (2014) PLoS Pathog. 10(8):e1004252.</li><li>2.Modiano JF and Bellgrau D. (2016) Discov Med. 21(114):109-116.</li><li>3.Haluck-Kangas A and Peter ME. (2023) Biochem Soc Trans. 51(1):21-29.</li><li>4.Schmid A. et al. (2024) Chemistry. 30(24):e202400120.</li></ol>		
Synonyms	Fas Ligand/CD178, ADAM10-processed FasL form, APL, Apt1Lg1, CD178		

## Selected Validation Data

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

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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