

For Research Use Only

Recombinant Human TNFRSF13B/CD267 protein (rFc Tag)



Catalog Number: Eg1638

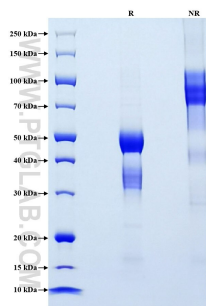
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Human TNFRSF13B protein Ser2-Thr166 (Accession# O14836-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 23495 Accession: O14836-1 Predicted Molecular Mass: 44.8 kDa SDS-PAGE: 32-38 kDa and 44-55 kDa, reducing (R) conditions 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	TNFRSF13B encodes the transmembrane activator and CAML interactor (TACI) receptor, which drives plasma cell differentiation. TACI is the receptor for the B cell-activating factor (BAFF) and a proliferation-induced ligand (APRIL). TNFRSF13B is expressed as long (L) or short (S) isoforms generated by alternative splicing of exon 2, typically after B cell activation. TNFRSF13B-S lacks the cysteine rich domain 1 needed for binding ligands but retains ability to form receptor trimers and to signal. Indeed, TNFRSF13B complexes containing both -S and -L isoforms may exhibit greater sensitivity to agonists than complexes consisting of only L isoform.		
References	1. Cascalho, Marilia, et al. (2023) Hum Immunol.84(1):27-33. 2. Platt, Jeffrey L et al. (2021) JCI Insight.6(14):e148208. 3. de Mattos Barbosa, Mayara Garcia et al. (2021) JCI Insight.6(17):e150483.		
Synonyms	CD267, TNFRSF13B, TNFRSF13B/CD267, CVID, TACI		

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

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Selected Validation Data



Purity of Recombinant Human TNFRSF13B 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.