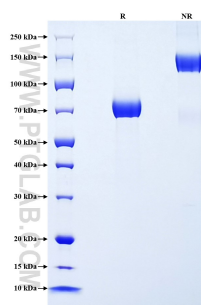


Recombinant Human SIGLEC14 protein (rFc Tag)

Catalog Number: Eg4178

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 SIGLEC14 protein Glu17-Leu358 (Accession# Q08ET2) with a rabbit IgG Fc tag at the C-terminus. GeneID: 100049587 Accession: Q08ET2 Predicted Molecular Mass: 64.3 kDa SDS-PAGE: 65-80 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	SIGLEC14, also known as sialic acid-binding immunoglobulin-like lectin 14, is a member of the Siglec family, which is expressed on myeloid cells and plays a role in recognizing bacterial pathogens, eliciting pro-inflammatory responses. SIGLEC14 is primarily a transmembrane protein found on the surface of myeloid cells. A soluble form of SIGLEC14 is also present in human blood, which is derived from an alternatively spliced mRNA that retains intron 5, preventing the translation of the transmembrane domain. It has been implicated in various diseases, particularly in the context of immune responses and inflammation.		
References	1.Huang PJ. et al. (2018). J Biol Chem. 293(51):19645-19658. 2.Angata T. (2014). Glycobiology. 24(9):785-793. 3.Tsai CM. et al. (2020). J Innate Immun. 12(4):333-343.		
Synonyms	Siglec-14, Siglec 14		

Selected Validation Data



Purity of Recombinant Human SIGLEC14 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.

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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