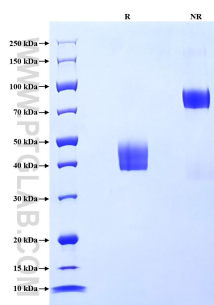


Recombinant Human CD53 protein (rFc Tag)

Catalog Number: Eg2182

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human CD53 protein Glu107-Asn181 (Accession# P19397) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 963</p> <p>Accession: P19397</p> <p>Predicted Molecular Mass: 34.6 kDa</p> <p>SDS-PAGE: 38-50 kDa, reducing (R) conditions</p> <p>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.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: 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	CD53 is a structural component of specialized membrane microdomains known as tetraspanin-enriched microdomains (TERMs), which act as platforms for receptor clustering and signaling. It participates in diverse biological functions such as cell signal transduction, adhesion, migration, and protein trafficking. It also plays a role in the activation of monocytes and B-cells.		
References	<ol style="list-style-type: none">1. Malou Zuidschewoude, et al. (2017) Sci Signal. May 9;10(478):eaag2755.2. Yihu Yang, et al. (2020) EMBO J. Sep 15;39(18):e105246.3. Vera-Marie E Dunlock, Abbey B Arp, et al. (2022) Cell Rep. Jun 28;39(13):111006.4. J Olweus, F Lund-Johansen, V Horejsi. (1993) J Immunol. Jul 15;151(2):707-16.		
Synonyms	Cell surface glycoprotein CD53, Leukocyte surface antigen CD53, MOX44, Tetraspanin 25, Tetraspanin-25		

Selected Validation Data



Purity of Recombinant Human CD53 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

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