

For Research Use Only

Recombinant Human Decorin protein (His Tag)



Catalog Number: Eg1172

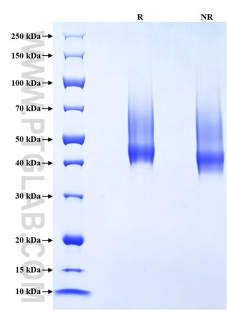
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human Decorin protein Gly17-Lys359 (Accession# P07585-1) with a His tag at the C-terminus. GeneID: 1634 Accession: P07585-1 Predicted Molecular Mass: 39.1 kDa SDS-PAGE: 40-70 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	Decorin, also known as DCN, is a small leucine-rich proteoglycan (SLRP) that plays a multifaceted role in the extracellular matrix (ECM) and various biological processes. Decorin is involved in a range of cellular processes including collagen fibrillogenesis, wound repair, angiogenesis, tumor growth, and autophagy. It interacts with various ligands such as ECM constituents, cellular receptors, growth factors, proteases, and other signaling molecules. Decorin has been shown to play a role in immune regulation. It can initiate aseptic inflammation and activate innate immune cells, making it relevant in autoimmune and inflammatory diseases. It can participate in the activation of innate immune cells through interaction with Toll-like receptors (TLRs) or other receptors.		
References	1. Yuanji Dong. et al. (2022). J Immunol Res. 2022:1283383. 2. Maria A Gubbiotti. et al. (2016). Matrix Biol. 55:7-21.		
Synonyms	DCN, CSCD, DSPG2, PG S2, PG40		

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

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Selected Validation Data



Purity of Recombinant Human Decorin 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.