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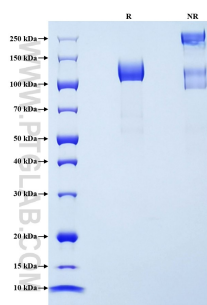
Recombinant Human ACAN protein (rFc Tag)



Catalog Number: Eg2994

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: C-rFc
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human ACAN protein Val20-Arg675 (Accession# P16112-1) with a rabbit IgG Fc tag at the C-terminus</p> <p>GeneID: 176</p> <p>Accession: P16112-1</p> <p>Predicted Molecular Mass: 98.6 kDa</p> <p>SDS-PAGE: 110-130 kDa, reducing (R) condition</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	<p>ACAN, or Aggrecan, is a key component of the extracellular matrix in cartilaginous tissues. Acan is present in cartilage, intervertebral disc, brain, heart, and aorta (PMID: 35385326). Its core protein contains three globular domains and two glycosaminoglycan-attachment domains. These domains play various roles to maintain cartilage structure and function.</p>		
References	<ol style="list-style-type: none">1. Watanabe H. (2022). Am J Physiol Cell Physiol. 322(5):C967-C976.2. Watanabe H. et al. (1998). J Biochem. 124(4):687-93.		
Synonyms	ACAN, AGC1, AGCAN, aggrecan, Aggrecan 1		

Selected Validation Data



Purity of Recombinant Human ACAN 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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