



## HUMAN COLLAGEN TYPE IV PURIFIED PROTEIN

<b>CATALOG NUMBER:</b>	CC076	<b>QUANTITY:</b>	100µg
<b>LOT NUMBER:</b>		<b>CONCENTRATION:</b>	1 mg/mL
<b>DESCRIPTION:</b>	Collagen type IV is the major structural element of basal membranes. Human collagen type IV is a native triple helix. Collagen was extracted from washed dissected tissue into dilute acetic acid after mild pepsin treatment. The Collagen type IV was purified by using differential salt precipitation. Purity and retention of native helical structure was controlled by SDS-PAGE and by reaction with anti-collagen type specific monoclonal antibodies. Molecular weight: 300kDa; Solubility: 10mg/mL		
<b>SOURCE:</b>	Human placenta, negative for HBsAg, HCV, and HIV 1 and 2 antibodies.		
<b>APPLICATIONS:</b>	Coating material for cell culture studies Formation of collagen gels <i>Optimal working dilutions must be determined by end user.</i>		
<b>PURITY:</b>	Human collagen type IV: 95% pure by SDS-PAGE. Human collagen types I-III, V, VI, and non-collagen proteins: <5% Retention of native structure was confirmed by ability to form microfibrils.		
<b>FORMAT:</b>	Liquid purified protein.		
<b>PRESENTATION:</b>	Liquid in 100 µL of 0.5M acetic acid solution, pH 2.5, salt-free, no preservative.		
<b>STORAGE/HANDLING:</b>	Store at -20°C for up to 12 months from date of receipt. Avoid repeated freeze/thaw cycles.		
<b>REFERENCES:</b>	Bornstein, P. (1989) <i>Ann. Rev. Biochem</i> <b>49</b> : 957-1003. Bentz, H., et al. (1983) <i>PNAS.USA</i> <b>80</b> : 3168. Glanville, R.W., et al. (1979) <i>Eur. J. Biochem.</i> <b>95</b> : 383-389. Sage, H. and Bornstein, P. (1979) <i>Biochemistry</i> <b>18</b> : 3815-3822.		

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC  
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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