

**Human Collagen Type I**  
**Catalog Number 8052018**

*For research use only*

<b>DESCRIPTION</b>	Human Collagen Type I protein purified from human placenta.
<b>FORM</b>	Lyophilized, salt free, 0.1 mg /vial
<b>SOURCE</b>	Human placenta. Collagen was extracted from washed dissected tissue into dilute acetic acid after pepsin treatment. Collagen type I and III were purified by using differential salt precipitation.
<b>PURITY</b>	Human Collagen Type I                    90% Human Collagen Type III                10% Other Type of Human Collagen & Non-collagen proteins    <1%
<b>PURIFICATION RECONSTITUTION</b>	Partial pepsin digestion in acidic conditions and differential salt precipitation.  Use 0.1 M acetic acid, pH 3.0. Dissolved collagen retains immunologic properties of native collagen. Structure of native collagen confirmed by ability to form microfibrils.
<b>APPLICATION</b>	Used for coating material for cell culture studies, ELISA, Dot Blotting.
<b>STORAGE</b>	Collagen dissolved in acetic acid is stable at 4 °C for 1 month. Lyophilized collagen long term storage (2 years) at -20°C or lower.

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