

Bovine Collagen Type VI
Catalog Number 8052023

For research use only

DESCRIPTION	Collagen Type VI purified from bovine placenta
FORM	Lyophilized, salt-free, 1.0 mg /vial
SOURCE	Bovine placenta. The Bovine Collagen Type VI was extracted from washed dissected tissue into dilute acetic acid after pepsin treatment. The Bovine Collagen Type VI was purified by using differential salt precipitation.
PURITY	Bovine Collagen Type VI 90% Other Types of Human Collagen & Non-collagen proteins <10% Partial pepsin digestion in acidic conditions and differential salt precipitation.
PURIFICATION RECONSTITUTION	The Bovine Collagen Type VI dissolves very slowly in 0.5 M acetic acid and requires both vigorous mixing and time. Add a small amount of 0.5 M acetic acid, pH 2.5, and use Potter homogenizer (or similar) to break up the protein cake into suspension. Add 0.5 M acetic acid, pH 2.5 to yield 0.1 mg/ml concentration, and use vigorous stirring for several days. For concentration higher than 0.1 mg/ml in acetic acid requires an even longer time. Use 6M urea if the application allows it.
APPLICATION	Immunoassay and other possible use.
STORAGE	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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