

Native Cow Collagen VI protein ab7531

Description

Product name	Native Cow Collagen VI protein
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Cow

Specifications

Our **Abpromise guarantee** covers the use of **ab7531** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot Immunoprecipitation ELISA
Form	Liquid
Additional notes	This product reacts with anti-Collagen Type VI. Reaction with anti-Collagen I, II, III, IV or V is negligible (typically less than 1% cross reactivity was detected by ELISA). This product is not recommended for use under denaturing conditions in WB, IP, and ELISA. We would suggest testing it under native conditions.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituent: 0.82% Sodium acetate
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General Info

Function	Collagen VI acts as a cell-binding protein.
Involvement in disease	Defects in COL6A1 are a cause of Bethlem myopathy (BM) [MIM:158810]. BM is a rare autosomal dominant proximal myopathy characterized by early childhood onset (complete

penetrance by the age of 5) and joint contractures most frequently affecting the elbows and ankles.

Defects in COL6A1 are a cause of Ullrich congenital muscular dystrophy (UCMD) [MIM:254090]; also known as Ullrich scleroatonic muscular dystrophy. UCMD is an autosomal recessive congenital myopathy characterized by muscle weakness and multiple joint contractures, generally noted at birth or early infancy. The clinical course is more severe than in Bethlem myopathy.

Sequence similarities

Belongs to the type VI collagen family.

Contains 3 VWFA domains.

Post-translational modifications

Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.

Cellular localization

Secreted > extracellular space > extracellular matrix.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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