

COL6A3 Protein, Human (HEK293, His)

Cat. No.:	HY-P75685
Synonyms:	Collagen alpha-3(VI) chain; COL6A3
Species:	Human
Source:	HEK293
Accession:	P12111-1 (T3101-T3177)
Gene ID:	1293
Molecular Weight:	Approximately 13.3 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The COL6A3 protein, part of the collagen VI family, functions as a cell-binding protein. Its structure comprises trimers consisting of three distinct chains: alpha-1(VI), alpha-2(VI), and either alpha-3(VI), alpha-5(VI), or alpha-6(VI). This trimeric composition reflects the diverse nature of collagen VI, allowing for variations in the alpha chains. Notably, collagen VI serves as an essential mediator in cell adhesion processes. The trimeric arrangement, with its distinct alpha chain combinations, underscores the versatility and adaptability of COL6A3 in facilitating cell interactions and highlights its significance in various physiological contexts. (
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Caution: Product has not been fully validated for medical applications. For research use only.

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