



Human type 4 Collagen [His] (DAG621)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	cDNA coding for a minicollagen version of the human collagen IV a3 chain fused to a hexahistidine purification tag. The term minicollagen designates the removal of most of the epitope less triplehelical collagenous region (situated between the N-terminal 7S domain and the C-terminal noncollagenous NC1 domain), which is a requirement for recombinant production of this antigen
Species	Human
Purity	>80% as determined by SDS-PAGE
Conjugate	His
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	50 µg
Buffer	Neutral to slightly alkaline pH and 4 M ureaas dissociating agent.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Collagen alpha-3(IV)chain is a protein that in humans is encoded by the COL4A3 gene. Type IVcollagen, the major structural component of basement membranes, is amultimeric protein composed of 3 alpha subunits. These subunits are encodedby 6 different genes, alpha 1 through alpha 6, each of which can form atriple helix structure with 2 other subunits to form type IV collagen.
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Keywords

COL4A3; Collagen, type IV, alpha 3 (Goodpasture antigen); Collagen alpha-3(IV) chain
