Type (III) collagen is a trimeric molecule composed of three identical α(III) chains which are synthesized as precursor procollagens containing two short terminal propeptides that are cleaved extracellularly. Hitherto, only the nucleotide sequences of the propeptides have been published2-6. Here we report the nucleotide and amino acid sequences of the entire mature human α(III) collagen chain. These data will greatly facilitate the molecular characterization of a group of pathological mutations known as Ehlers-Danlos Type IV syndrome7.

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References