

Recombinant Human COL7A1 Protein, Myc/DDK-tagged

Cat. No. COL7A1-341H Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human collagen, type VII, alpha 1 (COL7A1), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Human
Source	HEK293
Description	This gene encodes the alpha chain of type VII collagen. The type VII collagen fibril, composed of three identical alpha collagen chains, is restricted to the basement zone beneath stratified squamous epithelia. It functions as an anchoring fibril between the external epithelia and the underlying stroma. Mutations in this gene are associated with all forms of dystrophic epidermolysis bullosa. In the absence of mutations, however, an acquired form of this disease can result from an autoimmune response made to type VII collagen.
Molecular Mass	295.22 kDa
Purity	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	> 50 µg/mL as determined by microplate Bradford method

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Storage Buffer 25 mM Tris-HCl, 100 mM glycine, 10 % glycerol, pH7.3

Full Length Full L.

GENE INFORMATION

Gene Name COL7A1 collagen type VII alpha 1 chain [Homo sapiens (human)]

Official Symbol COL7A1

Synonyms COL7A1; collagen type VII alpha 1 chain; EBD1; EBR1; EBDCT; NDNC8; collagen alpha-1(VII) chain; LC collagen; collagen VII, alpha-1 polypeptide; collagen, type VII, alpha 1; long-chain collagen

Gene ID 1294

mRNA Refseq NM_000094

Protein Refseq NP_000085

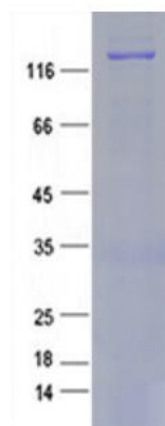
MIM 120120

UniProt ID Q02388

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SDS-PAGE

Purified recombinant protein COL7A1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.

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