

Recombinant Full Length Human COL7A1 Protein, Avi&Flag&His tagged, Biotinylated

Cat. No. COL7A1-01HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Full Length Human COL7A1 Protein (1-2944 aa) with C-Avi-Flag-His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-2944 aa
Conjugation/Label	Biotin
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.
Form	PBS, pH 7.3.
Molecular Mass	298 kDa
Purity	> 90% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process
Storage	Store at –80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 1 year from receipt of products under proper storage and handling conditions.
Concentration	0.12 mg/mL
Biotinylation	The biotin to protein ratio is 1.00 as determined by Streptavidin Pull-Down Assay.

GENE INFORMATION

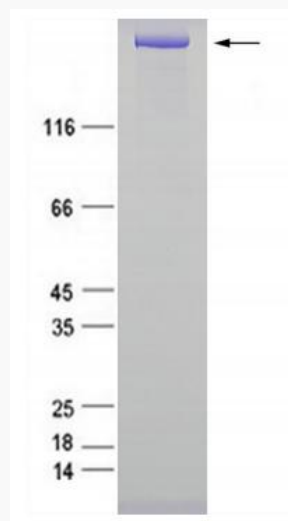
Gene Name	COL7A1 collagen, type VII, alpha 1 [Homo sapiens (human)]
Official Symbol	COL7A1
Synonyms	COL7A1; collagen, type VII, alpha 1; EBD1, EBDCT, EBR1, epidermolysis bullosa, dystrophic, dominant and recessive; collagen alpha-1(VII) chain; collagen VII; alpha 1 polypeptide; LC collagen; long-chain collagen; collagen VII, alpha-1 polypeptide; EBD1; EBR1; EBDCT
Gene ID	1294
mRNA Refseq	NM_000094
Protein Refseq	NP_000085
MIM	120120
UniProt ID	Q02388

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SDS-PAGE



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