

Recombinant Human COL7A1 Cell Lysate, Myc/DDK-tagged

Cat. No. COL7A1-30HL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Transient overexpression lysate of collagen, type VII, alpha 1 (COL7A1) with a C-Myc/DDK tag was expressed in HEK293T.

Components:

1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer (25 mM Tris-HCl pH7.6, 150 mM NaCl, 1% NP-40, 1 mM EDTA, 1×Proteinase inhibitor cocktail mix, 1 mM PMSF and 1 mM Na3VO4)

1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer

1 vial of 250 µL 2×SDS Sample Buffer (4% SDS, 125 mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100 mM DTT)

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

 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

Stability	Avoid repeated freeze-thaw cycles.
Storage	Upon receiving, store the sample at -80 centigrade. Also after dilution, the protein sample should be aliquoted and stored at -80 centigrade for long term storage. Lysate samples are stable for 12 months from the date of receipt when stored at -80 centigrade.
Reconstitution	Lysate samples can be diluted with 2×SDS Sample Buffer provided.
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
WB	Western blot validation of overexpression lysate using anti-DDK antibody. Left: Cell

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lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected

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