

## Product Information

### MemDX™ Membrane Protein Human COL17A1 (Collagen type XVII alpha 1 chain) Full

#### Length

Cat. No.: **MPC1485K**

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

This product is a 150.4 kDa Human COL17A1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

COL17A1

##### Protein Length

Full length

##### Protein Class

Transporter

##### Molecular Weight

150.4 kDa

##### TMD

1

##### Sequence

MDVTKKNKRDGTEVTERIVTETVTTRLTSLPPKGGTSNGYAKTASLGGGS  
RLEKQSLTHGSSGYINSTGSTRGHASTSSYRRAHSPASTLPNSPGSTFER  
KTHVTRHAYEGSSSGNSSPEYPRKEFASSTRGRSQTRESEIRVRLQSAS  
PSTRWTELDVVKRLLKGSRSASVSPTRNSSNTLPIPKKGTVETKIVTASS  
QSVSGTYDATILDANLPSHVWSSTLPAGSSMGTYHNNMTTQSSSLLNTNA  
YSAGSVFGVPPNMMASCSPTLHPGLSTSSSVFGMQNNLAPSLTTLSHGTTT  
TSTAYGVKKNMPQSPAAVNTGVSTSAACTTSVQSDDLLHKDCKFLILEKD  
NTPAKKEMELLIMTKDSGKVFTASPASIAATSFSEDTLKKEKQAAYNADS  
GLKAEANGDLKTVSTKGKTTTADIHSYGSSGGGGGGGGVGGAGGGPWG  
PAPAWCPCGCCSWWKWLLGLLLTWLLLLGLLFGLIALAEEVRKLRVD  
ELERIRRSILPYGDSMDRIEKDRLQGMAPAAGADLDKIGLHSDSQEELWM  
FVRKCLMMEQENGLRSGPGPKGDMGSPGPKGDRGFPGTPGIPGPLGHPG  
PQGPKGQKGSVGDPMGEGPMGQRGREGPMGPRGEAGPPGSGEKGERGAAG  
EPGPHGPPGVPGSVGPKGSSGSPGPPGPPVGLQQLRGEVGLPGVKGDK  
GPMGPPGPKGDQGEKGRGLTGEPGMRGLPGAVGEPGAKGAMGPAGPDGH  
QGPRGEQGLTGMPGIRGPPGSPGDPGKPLTGPQGPQGLPGTPGRPGIKG  
EPGAPGKIVTSEGSSMLTVPGPPGPPGAMGPPGPPGAPGAPGAPLPGHQ  
EVLNLQGPPGPPGPRGPPGPSIPGPPGPRGPPGEGLPGPPGPPGSFLSNS  
ETFLSGPPGPPGPPGPKGDQGPPGPRGHQGEQGLPGFSTSGSSSFGLNLQ

GPPGPPGPQGPQKGDKGDGPGVPGALGIPSGPSEGGSSSTMYVSGPPGPPGP  
PGPPGSISSSGQEIQQYISEYMQSDSIRSYSLSGVQQPPGPPGPPGPVTTI  
TGETFDYSELASHVVSYLRTSGYGVSLFSSSISSEDILAVLQRDDVQRYL  
RQYLMGPRGPPGPPGASGDGSLLSLDYAELSSRILSYMSSSGISIGLPGP  
PGPPGLPGTSYEELLSLLRGSEFRGIVGPPGPPGPPGIPGNVWSSISVED  
LSSYLHTAGLSFIPGPPGPPGPPGPRGPPGVSGALATYAAENSDSFRSEL  
ISYLTSPDVRSFIVGPPGPPGPPGQPPGDSRLLSTDASHSRGSSSSSHSS  
VRRGSSYSSSMSTGGGGAGSLGAGGAFGEAAGDRGPYGTDIGPGGGYGAA  
AEGGMYAGNGLLGADFAGDLVDYNELAVRVSESMQRQGLLQGMAYTVQGP  
PGQPGPQPPGISKVFSAYSNTADLMDFFQTYGAIQPPGQKQKEMGTPG  
PKGDRGPAGPPGHPGPPGPRGHKGEKGDQVYAGRRRRRSIAVKP

## Product Description

### Expression Systems

HEK293

### Tag

Based on specific requirements

### Protein Format

Detergent or based on specific requirements

### Form

Liquid

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

COL17A1

### Full Name

Collagen type XVII alpha 1 chain

### Introduction

This gene encodes the alpha chain of type XVII collagen. Unlike most collagens, collagen XVII is a transmembrane protein. Collagen XVII is a structural component of hemidesmosomes, multiprotein complexes at the dermal-epidermal basement membrane zone that mediate adhesion of keratinocytes to the underlying membrane. Mutations in this gene are associated with both generalized atrophic benign and junctional epidermolysis bullosa. Two homotrimeric forms of type XVII collagen exist. The full length form is the transmembrane protein. A soluble form, referred to as either ectodomain or LAD-1, is generated by proteolytic processing of the full length form.

### Alternative Names

COL17A1; ERED; BP180; BPA-2; BPAG2; LAD-1; BA16H23.2; collagen alpha-1(XVII) chain; 180 kDa bullous pemphigoid antigen 2; alpha 1 type XVII collagen; bA16H23.2 (collagen, type XVII, alpha 1 (BP180)); bullous pemphigoid antigen 2 (180kD); collagen XVII, alpha-1 polypeptide; collagen, type XVII, alpha 1; type XVII collagen alpha-1; Collagen type XVII alpha 1 chain

### Gene ID

[1308](#)

### UniProt ID

