

Product datasheet for TP316003M

OriGene Technologies, Inc.

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COL8A2 (NM_005202) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human collagen, type VIII, alpha 2 (COL8A2), 100 μg

Species: Human Expression Host: HEK293T

Expression cDNA >RC216003 representing NM_005202
Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MLGTLTPLSSLLLLLLVLVLGCGPRASSGGAGGAAGYAPVKYIQPMQKGPVGPPFREGKGQYLEMPLPL LPMDLKGEPGPPGKPGPRGPPGFPGKPGMGKPGLHGQPGPAGPPGFSRMGKAGPPGLPGKVGPPGQP GLRGEPGIRGDQGLRGPPGPPGPPGLPGPSGITIPGKPGAQGVPGPPGFQGEPGPQGEPGPPGDRGLKGDNGV GQPGLPGAPGQGAPGPPGLPGPAGLGKPGLDGLPGAPGDKGESGPPGVPGPRGEPGAVGPKGPPGVDGV GVPGAAGLPGPQGPSGAKGEPGTRGPPGLIGPTGYGMPGLPGPKGDRGPAGVPGLLGDRGEPGEDGEPGE QGPQGLGGPPGLPGSAGLPGRRGPPGPKGEAGPGGPPGVPGIRGDQGPSGLAGKPGVPGERGLPGAHGPP GPTGPKGEPGFTGRPGGPGVAGALGQKGDLGLPGQPGLRGPSGIPGLQGPAGPIGPQGLPGLKGEPGLPG PPGEGRAGEPGTAGPTGPPGVPGSPGITGPPGPPGPPGPPGAPGAFDETGIAGLHLPNGGVEGAVLGKGG KPQFGLGELSAHATPAFTAVLTSPFPASGMPVKFDRTLYNGHSGYNPATGIFTCPVGGVYYFAYHVHVKG TNVWVALYKNNVPATYTYDEYKKGYLDQASGGAVLQLRPNDQVWVQMPSDQANGLYSTEYIHSSFSGFLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 64.4 kDa

CPT

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: 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°C.





COL8A2 (NM_005202) Human Recombinant Protein - TP316003M

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling

conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 005193

 Locus ID:
 1296

 UniProt ID:
 P25067

 RefSeq Size:
 4443

 Cytogenetics:
 1p34.3

 RefSeq ORF:
 2109

Synonyms: FECD; FECD1; PPCD2

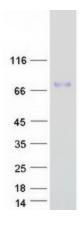
Summary: This gene encodes the alpha 2 chain of type VIII collagen. This protein is a major component of the

basement membrane of the corneal endothelium and forms homo- or heterotrimers with alpha 1 (VIII) type collagens. Defects in this gene are associated with Fuchs endothelial corneal dystrophy and posterior polymorphous corneal dystrophy type 2. Alternative splicing results in multiple

transcript variants. [provided by RefSeq, Jun 2014]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified COL8A2 protein (Cat# [TP316003]). The protein was produced from HEK293T cells transfected with COL8A2 cDNA clone (Cat# [RC216003]) using MegaTran 2.0 (Cat# [TT210002]).