

Recombinant Human COL8A2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COL8A2-4491H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	COL8A2 MS Standard C13 and N15-labeled recombinant protein (NP_005193) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	67.24 kDa
AA Sequence	MLGTLTPLSSLLLLLLVLVLGCGPRASSGGGAGGAAGYAPVKYIQPMQKGPVGPFF REGKGQYLEMPLPLLPMDLKGEPPGKPGPRGPPGPPGFPGKPGMGKPGHLHGQ PGPAAGPPGFSRMGKAGPPGLPGKVGPPGQPLRGEPGIRGDQGLRGPPGPPGLP GPSGITIPGKPGAQGVPPGPFQGEPPGQGEPPGDRGLKGDNGVGQPLPGA PGQGGAPGPPGLPGPAGLGKPGLDGLPGAPGDKGESGPPGVPPGRGEPGAVGPK GPPGVDGVGVPGAAGLPGPQGPSGAKGEPGTRGPPGLIGPTGYGMPGLPGPKGD RGPAGVPGLLDGRGEPGEDGEPGEQGPQGLGGPPGLPGSAGLPGRRGPPGPKG EAGPGGPPGVPGIRGDQGPSGLAGKPGVPGERGLPGAHGPPGPTGPKGEPGFTG

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RPPGPGVAGALGQKGDGLPGQPGLRGPSGIPGLQGPAGPIGPQGLPGLKGEPGL
 PGPPGEGRAGEPGTAGPTGPPGVPGSPGITGPPGPPGPPGPPGAPGAFDETGIAG
 LHLPNGGVEGAVLGKGGKPQFGLGELSAHATPAFTAVLTSPFPASGMPVKFDRTLY
 NGHSGYNPATGIFTCPVGGVYYYFAYHVVHVKGTNVWVALYKNNVPATYTYDEYKKG
 YLDQASGGAVLQLRPNDQVWVQMPSDQANGLYSTEYIHSSFSGFLLCPTTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name COL8A2 collagen type VIII alpha 2 chain [Homo sapiens (human)]

Official Symbol COL8A2

Synonyms COL8A2; collagen, type VIII, alpha 2; FECD; collagen alpha-2(VIII) chain; PPCD; PPCD2; endothelial collagen; collagen VIII, alpha-2 polypeptide; dJ665N4.1 (collagen type VIII alpha 2); FECD1; FLJ00201; MGC116970; MGC116972;

Gene ID 1296

mRNA Refseq NM_005202

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Protein Refseq	NP_005193
MIM	120252
UniProt ID	P25067

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