

## Cochlin/COCH Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P74235
<b>Synonyms:</b>	Cochlin; COCH-5B2; COCH
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	O43405 (E25-Q550)
<b>Gene ID:</b>	1690
<b>Molecular Weight:</b>	Approximately 66&48&18 kDa

### PROPERTIES

#### AA Sequence

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E G A A P I A I T C   F T R G L D I R K E   K A D V L C P G G C   P L E E F S V Y G N
I V Y A S V S S I C   G A A V H R G V I S   N S G G P V R V Y S   L P G R E N Y S S V
D A N G I Q S Q M L   S R W S A S F T V T   K G K S S T Q E A T   G Q A V S T A H P P
T G K R L K K T P E   K K T G N K D C K A   D I A F L I D G S F   N I G Q R R F N L Q
K N F V G K V A L M   L G I G T E G P H V   G L V Q A S E H P K   I E F Y L K N F T S
A K D V L F A I K E   V G F R G G N S N T   G K A L K H T A Q K   F F T V D A G V R K
G I P K V V V V F I   D G W P S D D I E E   A G I V A R E F G V   N V F I V S V A K P
I P E E L G M V Q D   V T F V D K A V C R   N N G F F S Y H M P   N W F G T T K Y V K
P L V Q K L C T H E   Q M M C S K T C Y N   S V N I A F L I D G   S S S V G D S N F R
L M L E F V S N I A   K T F E I S D I G A   K I A A V Q F T Y D   Q R T E F S F T D Y
S T K E N V L A V I   R N I R Y M S G G T   A T G D A I S F T V   R N V F G P I R E S
P N K N F L V I V T   D G Q S Y D D V Q G   P A A A A H D A G I   T I F S V G V A W A
P L D D L K D M A S   K P K E S H A F F T   R E F T G L E P I V   S D V I R G I C R D
F L E S Q Q

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#### Appearance

Lyophilized powder

#### Formulation

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.

#### Endotoxin Level

<1 EU/µg, determined by LAL method.

#### Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH<sub>2</sub>O.

#### Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

#### Shipping

Room temperature in continental US; may vary elsewhere.

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## DESCRIPTION

### Background

Cochlin (COCH) protein emerges as a key player in orchestrating cell shape and motility within the trabecular meshwork. Existing as a monomer, Cochlin also exhibits the potential to form homodimers. Its interaction with type II collagen highlights its involvement in the extracellular matrix dynamics. Additionally, Cochlin engages in critical interactions with SLC44A2, emphasizing its role in cellular processes. Furthermore, its association with ANXA2 underscores its participation in intricate molecular networks essential for cellular functions.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA