



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### COCH (Human) Recombinant Protein (P01)

**Catalog Number:** H00001690-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human COCH full-length ORF (AAH07230.1, 1 a.a. - 494 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSAAWIPALGLGVCLLLPGPAGSEGAAPAIITCFTRGL  
DIRKEKADVLCPPGGCPLEEFVSYGNIVYASVSSICGAA  
VHRGVISNSGGPVRVYSLPGRENYSSVDANGIQSQML  
SRWSASFVTKGKSSTQEATQAVSTAHPPTGKRLKK  
TPEKKTGNKDCKADIAFLIDGSFNIGQRRFNLQKNFVG  
KVALMLGIGTEGPHVGLVQASEHPKIEFYLNFTSAKD  
VLFAlKEVGFRRGNSNTGKALKHTAQKFFTVDAGVRK  
GIPKVVVVFDGWPSDDIEEAGIVAREFGVNVFIVSVAK  
PIPEELGMVQDVTVDKAVCRNNGFFSYHMPNWFGT  
TKYVKPLVQKLCHEQMMCSKTCYNSVNIAFLIDGSSS  
VGDSNFRMLLEFVSNIAKTFEISDIGAKIAAVQFTYDQR  
TEFSFTDYSTKENVLAVIRNIRYMSGGTATGDAISFTVR  
NVFGPIRESPNKNFLVIVTDGQSYDDVQGPAAAAHA  
AK

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 79.6

**Interspecies Antigen Sequence:** Mouse (95)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 1690

**Gene Symbol:** COCH

**Gene Alias:** COCH-5B2, COCH5B2, DFNA9

**Gene Summary:** The protein encoded by this gene is highly conserved in human, mouse, and chicken, showing 94% and 79% amino acid identity of human to mouse and chicken sequences, respectively. Hybridization to this gene was detected in spindle-shaped cells located along nerve fibers between the auditory ganglion and sensory epithelium. These cells accompany neurites at the habenula perforata, the opening through which neurites extend to innervate hair cells. This and the pattern of expression of this gene in chicken inner ear paralleled the histologic findings of acidophilic deposits, consistent with mucopolysaccharide ground substance, in temporal bones from DFNA9 (autosomal dominant nonsyndromic sensorineural deafness 9) patients. Mutations that cause DFNA9 have been reported in this gene. Alternative splicing results in multiple transcript variants encoding the same protein. Additional splice variants encoding distinct isoforms have been described but their biological validities have not been demonstrated. [provided by RefSeq]