



[Go to Product page](#)

Datasheet for ABIN6253494

COCH Protein (AA 25-132) (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Target:	COCH
Protein Characteristics:	AA 25-132
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COCH protein is labelled with DYKDDDDK Tag.

Product Details

Purpose:	Cochlin (human) (LCCL domain) (rec.)
Specificity:	Human cochlin (LCCL domain) (aa 25-132) is fused at the N-terminus to a FLAG®-tag.
Characteristics:	<p>Protein. Human cochlin (LCCL domain) (aa 25-132) is fused at the N-terminus to a FLAG®-tag.</p> <p>Source: HEK 293 cells. Endotoxin content: <0.01EU/µg purified protein (LAL test, Lonza).</p> <p>Lyophilized. Contains PBS. Purity: >95 % (SDS-PAGE). Cochlin is an extracellular matrix protein expressed in the cochlea and vestibule of the inner ear. Mutations in the cochlin gene are linked to the autosomal-dominant DFNA9 syndrome, a disorder characterized by hearing loss. Cochlin is also expressed in follicular dendritic cells of the spleen and the lymph nodes. The N-terminus of cochlin contains a LCCL domain also present in Factor C, a serine protease of the horseshoe crab <i>Limulus</i>, involved in activating the coagulation cascade in response to LPS. A recent study showed that in response to inflammation, LPS or bacterial infection, cochlin is cleaved by the proteases aggrecanases and secreted into blood circulation. The secreted cochlin (LCCL domain) seems to have a role in local cytokine production, recruitment of immune effector cells</p>

Product Details

and bacterial clearance. Cochlin is secreted as two forms p8 and p18, whereas p18 being the glycosylated form of p8.

Purity: >95 % (SDS-PAGE)

Endotoxin Level: <0.01EU/μg purified protein (LAL test, Lonza).

Target Details

Target: COCH

Alternative Name: Cochlin ([COCH Products](#))

Background: Alternate Names/Synonyms: COCH-5B2 (LCCL domain)
Product Description: Cochlin is an extracellular matrix protein expressed in the cochlea and vestibule of the inner ear. Mutations in the cochlin gene are linked to the autosomal-dominant DFNA9 syndrome, a disorder characterized by hearing loss. Cochlin is also expressed in follicular dendritic cells of the spleen and the lymph nodes. The N-terminus of cochlin contains a LCCL domain also present in Factor C, a serine protease of the horseshoe crab *Limulus*, involved in activating the coagulation cascade in response to LPS. A recent study showed that in response to inflammation, LPS or bacterial infection, cochlin is cleaved by the proteases aggrecanases and secreted into blood circulation. The secreted cochlin (LCCL domain) seems to have a role in local cytokine production, recruitment of immune effector cells and bacterial clearance. Cochlin is secreted as two forms p8 and p18, whereas p18 being the glycosylated form of p8.

UniProt: [O43405](#)

Pathways: [Sensory Perception of Sound](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: Lot specific

Buffer: Lyophilized. Contains PBS.

Handling Advice: After reconstitution, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles. PBS

Handling

containing at least 0.1 % BSA should be used for further dilutions.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Use & Stability: Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.