

Recombinant Human CDH23 Protein, His-tagged

CDH23-471H Human

Lot. No. (See product label)

Specification

Product Overview

Recombinant Human CDH23(His34~Phe236) fused with His tag at N-terminal was expressed in E. coli.

Description

This gene is a member of the cadherin superfamily, whose genes encode calcium dependent cell-cell adhesion glycoproteins. The encoded protein is thought to be involved in stereocilia organization and hair bundle formation. The gene is located in a region containing the human deafness loci DFNB12 and USH1D. Usher syndrome 1D and nonsyndromic autosomal recessive deafness DFNB12 are caused by allelic mutations of this cadherin-like gene. Upregulation of this gene may also be associated with breast cancer. Alternative splice variants encoding different isoforms have been described.

Source

E. coli

Species

Human

Tag

His

Form

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Molecular Mass

26.1kDa

Protein length

His34~Phe236

Endotoxin

<1.0EU per 1µg (determined by the LAL method)

Purity

>93%

Applications

Positive Control; Immunogen; SDS-PAGE; WB.
If bio-activity of the protein is needed, please check active protein.

Stability

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in PBS or others.

Gene Information

Gene Name

[CDH23 cadherin-related 23 \[Homo sapiens \]](#)

Official Symbol

[CDH23](#)

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Synonyms

CDH23; cadherin-related 23; cadherin related 23 , cadherin like 23 , DFNB12, USH1D; cadherin-23; cadherin related family member 23; CDHR23; otocadherin; cadherin-like 23; cadherin-related family member 23; USH1D; FLJ00233; FLJ36499; KIAA1774; KIAA1812; MGC102761; DKFZp434P2350;

Gene ID [64072](#)

mRNA Refseq [NM_001171930](#)

Protein Refseq [NP_001165401](#)

MIM [605516](#)

UniProt ID [Q9H251](#)

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