

## Recombinant Human CDH23 Protein

Cat. No. CDH23-0986H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human CDH23 full-length ORF (ADZ15527.1) recombinant protein without tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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. [provided by RefSeq, May 2013]</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	116.8 kDa
<b>AA Sequence</b>	<p>MGRHVATSCHVAWLLVLISGCWGQVNRLPFFTNIHFFDTYLLISEDTPVGSSVTQLLA            QDMDNDPLVFGVSGEEASRFFAVEPDTGVVWLRQPLDRETKSEFTVEFSVSDHQG            VITRKNVIQVGDVNDNAPTFHNQPYSVRIPENTPVGTPIFIVNATDPDLGAGGSVLYS            FQPPSQFFAIDSARGIVTVIRELDYETTQAYQLTVNATDQDKTRPLSTLANLAIITDVQ            DMDPIFINLPYSTNIYEHSPPGTTVRIITAIDQDKGRPRGIGYTIVSGNTNSIFALDYISG            VLTLNGLLDRENPLYSHGFILTVKGTLELNDDRTPSDATVTTTFNILVIDINDNAPEFNS</p>

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SEYSVAITELAQVGFALPLFIQVVDKDENLGLNSMFEVYLVGNNSHHFIISPTSVQGK  
 ADIRIRVAIPLDYETVDRYDFDLFANESVPDHVGYAKVKITLINENDNRPIFSQPLYNIS  
 LYENVTVGTSVLTVLATDNDAGTFGEVSYFFSDDPDRFSLDKDTGLIMLIARLDYELI  
 QRFTLTIIARDGGGEETTGRVRINVLDVNDNVPTFQKDAYVGALRENEPSVTQLVRL  
 RATDEDSPPNNQITYSIVSASAFGSYFDISLYEGYGVISVSRPLDYEQISNGLIYLTVM  
 AMDAGNPPLNSTVPVTIEVFDENDNPPTFSKPAYFVSVVENIMAGATVLFNATDLD  
 RSREYQGESIYSLEGSTQFRINARSGEITTTSLLDRETKSEYILIVRAVDGGVGHNQK  
 TGIATVNITLLDINDNHPTWKDAPYYINLVEMTPPSDVTTVVAVDPDLGENGLTVYSI  
 QPPNKFYSLNSTTGKIRTTHAMLDRENPD PHEAELMRKIVVSVTDCGRPPLKATSSA  
 TVFVNLLDLNDNDPTFQNLPFVAEVLEGIPAGVSIYQVVAIDLDEGLNGLVSYRMPVG  
 MPRMDFLINSSSGVVVTTTELD RERIAEYQLRVVASDAGTPTKSSTSTLTIHVLDVND  
 ETPTFFPAVYNVSVSEDPREFRVVWLNCTDNDVGLNAELSYFITGAAPASAHLCRP  
 PGALPPPLPDGQPD

<b>Applications</b>	Antibody Production Functional Study Compound Screening
<b>Usage</b>	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	CDH23 cadherin-related 23 [ Homo sapiens ]
<b>Official Symbol</b>	CDH23

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<b>Synonyms</b>	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;
<b>Gene ID</b>	64072
<b>mRNA Refseq</b>	NM_001171930
<b>Protein Refseq</b>	NP_001165401
<b>MIM</b>	605516
<b>UniProt ID</b>	Q9H251

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