

Recombinant Full Length Human CDH23 Protein

Cat. No. CDH23-3148HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDH23 full-length ORF (ADZ15527.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	531 amino acids
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. [provided by RefSeq, May 2013]
Form	Liquid
Molecular Mass	116.8 kDa
AA Sequence	MGRHVATSCHVAWLLVLISGCWGQVNRLPFFTNHFFDTYLLISEDTPVGSSVTQLLA QDMDNDPLVFGVSGEEASRFFAVEPDTGVVWLRQPLDRETKSEFTVEFSVSDHQG VITRKVNIQVGDVNDNAPTFHNQPYSVRIPENTPVGTPIFIVNATDPDLGAGGSVLYS FQPPSQFFAIDSARGIVTVIRELDYETTQAYQLTVNATDQDKTRPLSTLANLAIITDVQ

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DMDPIFINLPYSTNIYEHSPPGTTVRIITAIDQDKGRPRGIGYTIVSGNTNSIFALDYISG
 VLTNLGLLDRENPLYSHGFILTVKGTELNDRTSPDATVTTTFNILVIDINDNAPEFNS
 SEYSVAITELAQVGFALPLFIQVVDKDENLGLNSMFEVYLVGNNSHHFIISPTSVQ GK
 ADIRIRVAIPLDYETVDRYDFDLFANESVPDHSVGYAKVKITLINENDNRPIFSQPLYNIS
 LYENVTVGTSVLTVLATDNDAGTFGEVSYFFSDDPDRFSLDKDTGLIMLIARLDYELI
 QRFTLTIIARDGGGEETTGRVRINVLDVNDNVPTFQKDAYVGALRENEPSVTQLVRL
 RATDEDSPPNNQITYSIVSASAFGSYFDISLYEGYGVISVSRPLDYEQISNGLIYLTVM
 AMDAGNPPLNSTVPVTIEVFDENDNPPTFSKPAYFVSVVENIMAGATVLFNLATDLD
 RSREYQGQESIYSLEGSTQFRINARSGEITTTSLLDRETKSEYILIVRAVDGGVGHNQK
 TGIATVNITLLDINDNHPTWKDAPYYINLVEMTPPDSVTTTVAVDPDLGENGTLVYSI
 QPPNKFYSLNSTTGKIRTTHAMLDRENPD PHEAELMRKIVSVTDCGRPPLKATSSA
 TVFVNLLDLNDNDPTFQNLPFVAEVLEGIPAGVSIYQVVAIDLDEGLNGLVSYRMPVG
 MPRMDFLINSSSGVVVTTTELD RERIAEYQLRVVASDAGTPTKSSTSTLTIHVLDVND
 ETPTFFPAVYNVSVSEDPREFRVVWLNCTDNDVGLNAELSYFITGAAPASAHLCRP
 PGALPPPLPDGQPD

Applications

- Antibody Production
- Functional Study
- Compound Screening

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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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