

## Product datasheet for TP315133M

### Cadherin like 23 (CDH23) (NM\_052836) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cadherin-like 23 (CDH23), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215133 representing NM_052836 Red=Cloning site Green=Tags(s)

MGRHVATSCHVAWLLVLISGCWGQVNRLPFFTNHFFDTYLLISEDTPVGSSVTQLLAQDMDNDPLVFGVS  
GEEASRFFAVEPDTGVVWLRQPLDRETKSEFTVEFSVSDHQGVITRKVNIQVGDVNDNAPTFFHNQPYSVR  
IPENTPVGTPIFIVNATDPDLGAGGSVLYSFQPPSQFFAIDSARGIVTVIRELDYETTQAYQLTVNATDQ  
DKTRPLSTLANLAIITDVQDMDPIFINLPYSTNIYEHSPPGTTVRIITAIQDKGRPRGIGYTIVSGNT  
NSIFALDYISGVLTLNGLLDRENPLYSHGFILTVKGTTELNDDRTPSDATVTTTTFNILVIDINDNAPEFNS  
SEYSVAITELAQVGFALPLFIQVVDKDENLGLNSMFEVYLVGNNSHHFISPTSVQ GKADIRIRVAIPLD  
YETVDRYDFDLFANESVPDHSVGYAKVKITLINENDNRPIFSQPLYNISLYENVTVGTSVLTVLVSPRFTA  
GPLSSPGPTVVRHPEGFCPRDLSNQGRRHPQIPELCLLVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	58.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_443068](#)

Locus ID: 64072

UniProt ID: [Q9H251](#)

RefSeq Size: 2022

Cytogenetics: 10q22.1

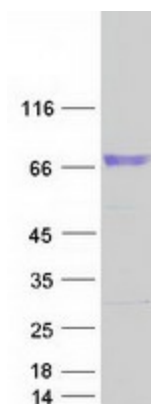
RefSeq ORF: 1590

Synonyms: CDHR23; PITA5; USH1D

**Summary:** 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]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified CDH23 protein (Cat# [TP315133]). The protein was produced from HEK293T cells transfected with CDH23 cDNA clone (Cat# [RC215133]) using MegaTran 2.0 (Cat# [TT210002]).