

Product datasheet for **RC214783**

Cadherin 24 (CDH24) (NM_022478) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cadherin 24 (CDH24) (NM_022478) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cadherin 24
Synonyms:	CDH11L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC214783 representing NM_022478
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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Protein Sequence: >RC214783 representing NM_022478
 Red=Cloning site Green=Tags(s)

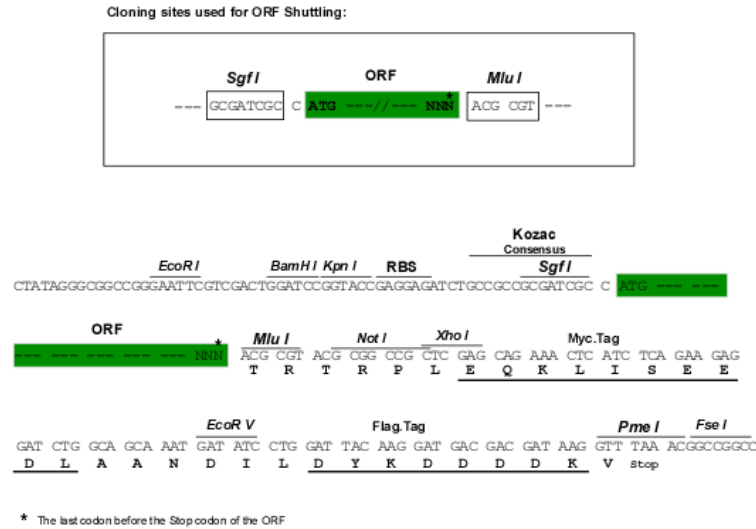
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Chromatograms: https://cdn.origene.com/chromatograms/mk8010_g06.zip

Restriction Sites: SgfI-MluI

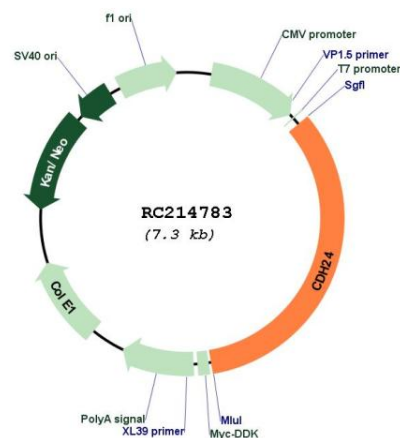
Cloning Scheme:



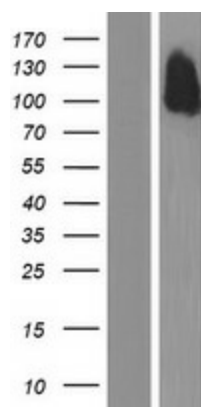
ACCN:	NM_022478
ORF Size:	2457 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_022478.3, NP_071923.2</u>
RefSeq Size:	2873 bp
RefSeq ORF:	2460 bp
Locus ID:	64403
UniProt ID:	<u>Q86UP0</u>
Cytogenetics:	14q11.2
Domains:	Cadherin_C_term
Protein Families:	Transmembrane
MW:	87.6 kDa
Gene Summary:	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. Cadherin-24 mediate strong cell-cell adhesion. [UniProtKB/Swiss-Prot Function]

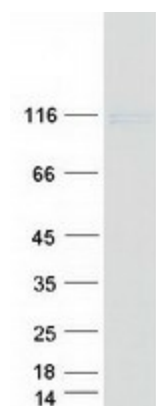
Product images:



Circular map for RC214783



Western blot validation of overexpression lysate (Cat# [LY411656]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214783 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CDH24 protein (Cat# [TP314783]). The protein was produced from HEK293T cells transfected with CDH24 cDNA clone (Cat# RC214783) using MegaTran 2.0 (Cat# [TT210002]).