

Product datasheet for **RG217889**

K Cadherin (CDH6) (NM_004932) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	K Cadherin (CDH6) (NM_004932) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	K Cadherin
Synonyms:	CAD6; KCAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG217889 representing NM_004932
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAGAACTTACCGCTACTTCTTGTCTCTTTGGTGGGCCAGCCCTACCCAACCTCTCTCAACTCCAC
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG217889 representing NM_004932
Red=Cloning site Green=Tags(s)

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MRTYRYFLLLFWVGQPYPTLSTPLSKRTSGFPAKKRALELSGNSKNELNRSKRSMWNQFFLLEEYTGSD
YQYVVKLHSDQDRGDGSLKYILSGDGAGDLFIINENTGDIQATKRLDREEKPVYILRAQAINRRTGRPVE
PESEFIIKIHDINDNEPIFTKEVYTATVPEMSDVGTFFVQVTATDADDPTYGNSAKVVYSILQGQPYFSV
ESETGIKITALLNMDRENREYQVVIQAKDMGGMGGLSGTTTTVNITLTDVNDNPPRFPQSTYQFKTPES
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NPYVEPRFLYLGPFKDSATVRIVVEDVDEPPVFSKLAYILQIREDAQINTTIGSVTAQDPDAARNPVKYS
VDRHTMDRIFNIDSGNGSIFTSKLLDRETLWHNITVIATEINNPQSSRVPLYIKVLDVNDNAPEFAE
FYETFVCEKAKADQLIQLHAVDKDDPYSGHQFSFLAPEAASGSNFTIQDNKNDTAGILTRKNGYNRHE
MSTYLLPVVISDNDYPVQSSTGTVTVRVCADHHGNMQSCHAEALIHPTGLSTGALVAILLCIVILLVTV
VLF AALRRQRKKEPLIISKEDIRDNIIVSYNDEGGGEEDTQAFDIGTLRNPEAIEDNKLRRDIVPEALFLP
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004932

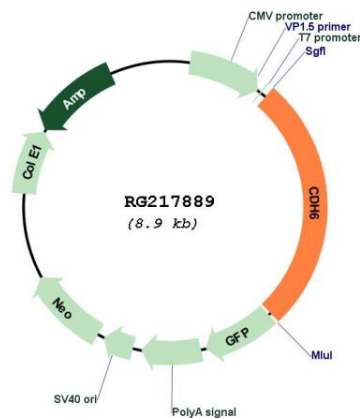
ORF Size: 2370 bp

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:	<ol style="list-style-type: none"> 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.
RefSeq:	NM_004932.4
RefSeq Size:	4521 bp
RefSeq ORF:	2373 bp
Locus ID:	1004
UniProt ID:	P55285
Cytogenetics:	5p13.3
Domains:	Cadherin_C_term, CA
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the cadherin superfamily. Cadherins are membrane glycoproteins that mediate homophilic cell-cell adhesion and play critical roles in cell differentiation and morphogenesis. The encoded protein is a type II cadherin and may play a role in kidney development as well as endometrium and placenta formation. Decreased expression of this gene may be associated with tumor growth and metastasis. [provided by RefSeq, May 2011]

Product images:



Circular map for RG217889