

Product datasheet for **SC304933**

Cadherin 22 (CDH22) (NM_021248) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cadherin 22 (CDH22) (NM_021248) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cadherin 22
Synonyms:	C20orf25; dj998H6.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_021248 edited
 ATGAGGCCGAGGCCCGAAGGTAGGGGGCTCCGGGCGGGAGTCGCGCTGTCCCCGCGCTA
 CTGCTGTCTGTCTGTCTGCCGCCGCCGACGCTGTGGGGCGCCTGTGGGCAGCGGGC
 ACACCCCTCGCCGTCGGCGCCCGGAGCTCGGCAGGACGGCGCGCTGGGAGCCGGCCGCGTC
 AAACGCGGCTGGGTGTGGAACGATTCTTCGTGGTAGAGGAGTACACGGGCACGGAGCCC
 CTGTATGTGGGCAAGATCCACTCCGACTCAGACGAGGGTGACGGGGCCATCAAGTACACC
 ATCTCAGGCGAGGGTGTGGGACCATTCTCTGATCGACGAGCTGACAGGGCCATTCAT
 GCCATGGAGCGCCTGGACCGCGAGCAGAAAACCTTCTACACGCTGCGGGCCAGGCTCGG
 GATCGCGCCACCAACCGCCTACTGGAGCCGAGTCGGAGTTCATCATCAAGGTGCAGGAC
 ATCAATGACAGTGAAGCCGCTTCTGCACGGCCCTATATTGGCAGCGTGGCCGAGCTC
 TCACCTACAGGCACGTGGTGTGACAGGTGATGGCCTCGGATGCGGATGACCCACGTAC
 GGCAGCAGCGCTCGGCTGGTGTACAGCGTGTGGACGGCGAGCACCCTTACCCTGGAC
 CCCAAGACCGGCGTAATCCGGACGGCTGTGCTGACCTTGACCGGAGAGCCAGGAGCGC
 TACGAGGTGGTGTCCAGGCCACAGACATGGCGGGTCAGCTGGGTGGCCTCTCGGGCTCC
 ACTACCGTCACCATCGTAGTCACCGACGTCATGACAACCGCCCGTTTCCCGCAGAAG
 ATGTACCAGTTCAGCATCCAGGAGTCAGCCCCATTGGAACGGCTGTGGGACGTGTGAAG
 GCTGAGGACTCAGACGTGGGAGAGAACACAGACATGACTTACCACCTAAGGACGAGAGC
 AGCAGCGGCGGGATGTGTTCAAGGTCAACACAGACAGCGACACTCAGGAGGCCATCATC
 GTAGTGCAGAAGCGCCTGGACTTCGAATCCCAGCCCGTGACACCCGTGATCCTGGAGGCC
 CTCAACAAGTTTCGTGGACCCCGCTTCGCCGACCTGGGCACGTTCCGCGACCCAGGCGATC
 GTGCGCGTGGCCGTGACCGACGTGGACGAGCCCCGAGTTCGGCCGCCCTCCGGCCTC
 CTGGAGGTGCAGGAGGACGCGCAGGTGGCTCCCTGGTGGCGTGGTGACGGCGCGGGAC
 CCCGACCGCCCAACCGCCCGTCCGGTACGCCATTGACCGGAATCAGATTTGGACCAG
 ATCTTCGATATCGATGCGGACACAGGCGCATCGTGACTGGCAAGGGGCTGGACCGCGAG
 ACGGCCGGCTGGCACAACATCACAGTGCTGGCCATGGAGGCGGACAATCATGCACAGCTA
 TCCCGGGCATCCCTAAGGATCCGAATCCTGGATGTGAACGACAATCCCCAGAAGTGGCC
 ACACCCTACGAGGCAGCTGTATGCGAGGATGCCAAGCCAGGCCAGCTCATCCAGACCATC
 AGCGTGGTGGACAGAGACGAGCCCCAAGGCGGGCACCGCTTCTATTTCCGCCTGGTGCCT
 GAAGCTCCAGCAACCCTCATTTCTCTGCTTGACATCAAGACAACCCGCTGCAGTG
 CACACGCAGCACGTGGGTTCAACCGGCAGGAGCAGGACGTGTTCTTCTGCCCATCCTG
 GTGGTAGACAGTGGGCCCGCCACTGAGCAGCACAGGCACGCTCACCATCCGCATCTGT
 GGCTGCGACAGCTCCGGCACCATCCAGTCTGCAACACCAGGCCCTTGTGATGGCCGCC
 TCCTCAGCCCCGGCGCCCTCATCGCCCTCTTGGTCTGCGTTCTCATCCTGGTTGTGCTG
 GTGCTGTGATCCTCACCTCAGGCGCCACCACAAGAGCCACCTGAGCTCGGACGAGGAT
 GAAGACATGCGGGACAACGTGATCAAAACAACGACGAAGGCGGGCGGAGCAGGACACC
 GAAGCCTACGACATGTGGCGCTGCGGAGCCTCTACGACTTCGGCGAGCTCAAGGGCGGC
 GACGGGGCGGACGCGCGGGCGGGGAGCGGGCGGGGCTCGGGCGGGGGCGGGGCAGC
 CCCCCGACGGCCACTGCCCTCCGAGCGCCACTCGCTGCCGACGGGGCCCGGAGCCCC
 GAGCCAGACTTCTCAGTGTTCAGGGACTTCATCAGCCGCAAGGTGGCACTGGCGGACGGG
 GACCTGTGCGTCCGCCCTACGACGCTTCCAGACCTACGCTTCGAGGGCGCGGACTCG
 CCGGCCGCTCGCTCAGCTCCCTGCACAGCGGCTCGTGGGCTCCGAGCAGGACTTCGCC
 TATCTCAGCAGCTGGGTCCGCGCTTCCGGCCCTGGCCGCGCTCTACGCCGGCCACCGC
 GGGGACGACGAGGCCAGGCTCCTAG

Restriction Sites: Please inquire
ACCN: NM_021248
Insert Size: 2500 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_021248.1</u> , <u>NP_067071.1</u>
RefSeq Size:	3675 bp
RefSeq ORF:	2487 bp
Locus ID:	64405
UniProt ID:	<u>Q9UJ99</u>
Cytogenetics:	20q13.12
Protein Families:	Transmembrane
Gene Summary:	This gene is a member of the cadherin superfamily. The gene product is composed of five cadherin repeat domains and a cytoplasmic tail similar to the highly conserved cytoplasmic region of classical cadherins. Expressed predominantly in the brain, this putative calcium-dependent cell adhesion protein may play an important role in morphogenesis and tissue formation in neural and non-neural cells during development and maintenance of the brain and neuroendocrine organs. [provided by RefSeq, Jul 2008]