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Product datasheet for SC328655

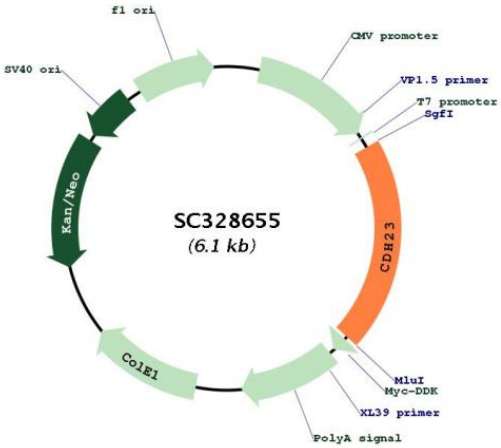
Cadherin like 23 (CDH23) (NM_001171932) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cadherin like 23 (CDH23) (NM_001171932) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDH23
Synonyms:	CDHR23; PITA5; USH1D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328655 representing NM_001171932. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGGGCGCCATGTTGCCACCAGCTGCCACGTGGCCTGGCTTTTGGTGCTGATCTCTGGATGCTGGGGC CAGGTGAACCGGCTGCCCTTCTTCACCAACCACTTCTTTGATACATACCTGCTGATCAGCGAGGACACG CCTGTGGGTTCTTCTGTGACCCAGTTGCTGGCCCAAGACATGGACAATGACCCCCTGGTGTTTGGCGTG TCTGGGGAGGAGGCCTCTCGCTTCTTTGCAGTGGAGCCTGACACTGGCGTGGTGTGGCTCCGGCAGCCA CTGGACAGAGAGACCAAGTCAGAGTTCACCGTGGAGTTCTCTGTCAGCGACCACCAGGGGGTGATCACA CGGAAGGTGAACATCCAGGTTGGGGATGTGAATGACAACGCGCCCACATTTCACAATCAGCCCTACAGC GTCCGCATCCCTGAGAATACACCAGTGGGGACGCCCATCTTCATCGTGAATGCCACAGACCCCGACTTG GGGGCAGGGGGCAGCGTCCTCTACTCCTTCCAGCCCCCCTCCCAATTCTTCGCCATTGACAGCGCCCGC GGTATCGTCACAGTGATCCGGGAGCTGGACTACGAGACCACACAGGCCTACCAGCTCACGGTCAACGCC ACAGATCAAGACAAGACCAGGCCTCTGTCCACCCTGGCCAACTTGGCCATCATCATCACAGATGTCCAG GACATGGACCCCATCTTCATCAACCTGCCTTACAGCACCAACATCTACGAGCATTCTCCTCCGGGCACG ACGGTGCGCATCATCACCGCCATAGACCAGGATAAAGGACGTCCCCGGGGCATTGGCTACACCATCGTT TCAGGGAATACCAACAGCATCTTTGCCCTGGACTACATCAGCGGAGTGCTGACCTTGAATGGCCTGCTG GACCGGGAGAACCCCCTGTACAGCCATGGCTTCATCCTGACTGTGAAGGGCACGGAGCTGAACGATGAC CGCACCCCATCTGACGCTACAGTCACCACGACCTTCAATATCCTGGTTATTGACATCAATGACAATGCC CCGGAGTTCAACAGCTCCGAGTACAGCGTGGCCATCACTGAGCTGGCACAGGTCGGCTTTGCCCTTCCA CTCTTCATCCAGGTGGTGGACAAGGATGAGGTGAGTCCCTGGACACATGGCCCATGCAGACCCACCACC CATCCAGACCCACCACCCTGCCTGGGCTGTTCAGGTCCTCAGCTATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

View online »

Plasmid Map:



ACCN:	NM_001171932
Insert Size:	1221 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:	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_001171932.1
RefSeq Size:	1746 bp
RefSeq ORF:	1221 bp
Locus ID:	64072
UniProt ID:	Q9H251
Cytogenetics:	10q22.1

Protein Families:	Transmembrane
MW:	44.5 kDa
Gene 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] Transcript Variant: This variant (5) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (5) has a distinct C-terminus and is shorter than isoform 1.