

Product datasheet for SC303008

DSCAM (NM_001389) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DSCAM (NM_001389) Human Untagged Clone
Tag:	Tag Free
Symbol:	DSCAM
Synonyms:	CHD2; CHD2-42; CHD2-52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303008 representing NM_001389. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001389
Insert Size:	6039 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_001389.3</u>
RefSeq Size:	7110 bp
RefSeq ORF:	6039 bp
Locus ID:	1826
UniProt ID:	<u>O60469</u>
Cytogenetics:	21q22.2

Protein Families: Transmembrane

MW: 222.3 kDa

Gene Summary: This gene is a member of the immunoglobulin superfamily of cell adhesion molecules (Ig-CAMs), and is involved in human central and peripheral nervous system development. This gene is a candidate for Down syndrome and congenital heart disease (DSCHD). A gene encoding a similar Ig-CAM protein is located on chromosome 11. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2012]

Transcript Variant: This variant (1) encodes the longer isoform (CHD2-42). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.