

Product datasheet for RC228709

Versican (VCAN) (NM_001164097) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Versican (VCAN) (NM_001164097) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Versican
Synonyms:	CSPG2; ERVR; GHAP; PG-M; WGN; WGN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC228709 representing NM_001164097 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

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Protein Sequence: >RC228709 representing NM_001164097
 Red=Cloning site Green=Tags(s)

MFINIKSILWMCSTLIVTHALHKVKVKGKSPVVRGSLSGKVSLPCHFSTMPPLPPSYNTSEFLRIKWSKIE
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 QPPVVENAKTFGKMKPRYEINSLIRYHCKDGFIRHLPTIRCLGNRWAIPKITCMNPSAYQRTYSMKYF
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001164097

ORF Size: 7227 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.

RefSeq: [NM_001164097.1](#), [NP_001157569.1](#)

RefSeq ORF: 7230 bp

Locus ID: 1462

UniProt ID: [P13611](#)

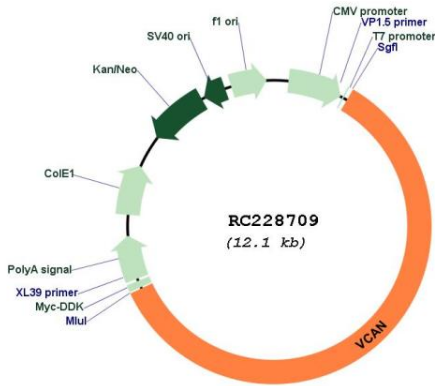
Cytogenetics: 5q14.2-q14.3

Protein Pathways: Cell adhesion molecules (CAMs)

MW: 265.05 kDa

Gene Summary: This gene is a member of the aggrecan/versican proteoglycan family. The protein encoded is a large chondroitin sulfate proteoglycan and is a major component of the extracellular matrix. This protein is involved in cell adhesion, proliferation, migration and angiogenesis and plays a central role in tissue morphogenesis and maintenance. Mutations in this gene are the cause of Wagner syndrome type 1. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009]

Product images:



Circular map for RC228709