

Product datasheet for **RC206534L2V**

Fibromodulin (FMOD) (NM_002023) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Fibromodulin (FMOD) (NM_002023) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Fibromodulin
Synonyms:	FM; SLRR2E
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002023
ORF Size:	1128 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206534).
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.
RefSeq:	NM_002023.3
RefSeq Size:	3271 bp
RefSeq ORF:	1131 bp
Locus ID:	2331
UniProt ID:	Q06828
Cytogenetics:	1q32.1
Domains:	LRRNT, LRR, LRR_TYP, LRR_BAC, LRR_PS
Protein Families:	Druggable Genome, Secreted Protein



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MW: 43.2 kDa

Gene Summary: Fibromodulin belongs to the family of small interstitial proteoglycans. The encoded protein possesses a central region containing leucine-rich repeats with 4 keratan sulfate chains, flanked by terminal domains containing disulphide bonds. Owing to the interaction with type I and type II collagen fibrils and in vitro inhibition of fibrillogenesis, the encoded protein may play a role in the assembly of extracellular matrix. It may also regulate TGF-beta activities by sequestering TGF-beta into the extracellular matrix. Sequence variations in this gene may be associated with the pathogenesis of high myopia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]