

Product datasheet for **RC210006L3V**

Semenogelin II (SEMG2) (NM_003008) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Semenogelin II (SEMG2) (NM_003008) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Semenogelin II
Synonyms:	SGII
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003008
ORF Size:	1746 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210006).
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_003008.2
RefSeq Size:	1982 bp
RefSeq ORF:	1749 bp
Locus ID:	6407
UniProt ID:	Q02383
Cytogenetics:	20q13.12
Protein Families:	Secreted Protein
MW:	65.47 kDa



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Gene Summary:

The secreted protein encoded by this gene is involved in the formation of a gel matrix that encases ejaculated spermatozoa. Proteolysis by the prostate-specific antigen (PSA) breaks down the gel matrix and allows the spermatozoa to move more freely. The encoded protein is found in lesser abundance than a similar semenogelin protein. An antibacterial activity has been found for a antimicrobial peptide isolated from this protein. The genes encoding these two semenogelin proteins are found in a cluster on chromosome 20. [provided by RefSeq, Jan 2015]