

Product datasheet for **MR209466L4V**

F2 (NM_010168) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	F2 (NM_010168) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	F2
Synonyms:	Cf-2; Cf2; F; FII; prot; thro
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010168
ORF Size:	1854 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209466).
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_010168.2
RefSeq Size:	1988 bp
RefSeq ORF:	1857 bp
Locus ID:	14061
UniProt ID:	P19221
Cytogenetics:	2 50.63 cM



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Gene Summary:

This gene encodes a vitamin K-dependent glycoprotein coagulation factor that plays an important role in the process of blood coagulation and hemostasis. The encoded protein is an inactive zymogen that undergoes enzymatic cleavage by the coagulation factor Xa to form an active serine protease that converts soluble fibrinogen to insoluble fibrin clot. Most of the mice lacking the encoded protein die at an embryonic stage due to defects in yolk sac vasculature, while the rare neonates succumb to hemorrhage on the first postnatal day. [provided by RefSeq, Apr 2015]