

Product datasheet for **RC208697L4V**

FAM35A (NM_019054) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	FAM35A (NM_019054) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FAM35A
Synonyms:	bA163M19.1; FAM35A; FAM35A1; RINN2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019054
ORF Size:	2505 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208697).
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_019054.1
RefSeq Size:	3417 bp
RefSeq ORF:	2508 bp
Locus ID:	54537
UniProt ID:	Q86V20
Cytogenetics:	10q23.2
MW:	93.7 kDa


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Gene Summary:

Component of the shieldin complex, which plays an important role in repair of DNA double-stranded breaks (DSBs) (PubMed:29656893, PubMed:29789392). During G1 and S phase of the cell cycle, the complex functions downstream of TP53BP1 to promote non-homologous end joining (NHEJ) and suppress DNA end resection (PubMed:29656893, PubMed:29789392). Mediates various NHEJ-dependent processes including immunoglobulin class-switch recombination, and fusion of unprotected telomeres (PubMed:29656893).[UniProtKB/Swiss-Prot Function]