Product datasheet for RC216784L4V

FARP2 (NM_014808) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	FARP2 (NM_014808) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FARP2
Synonyms:	FIR; FRG; PLEKHC3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014808
ORF Size:	3162 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216784).
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_014808.1
RefSeq Size:	3997 bp
RefSeq ORF:	3165 bp
Locus ID:	9855
UniProt ID:	O94887
Cytogenetics:	2q37.3
Domains:	RhoGEF, B41, PH
Protein Pathways:	Adherens junction

View online »

MW: 119.7 kDa

Gene Summary: Functions as guanine nucleotide exchange factor that activates RAC1. May have relatively low activity. Plays a role in the response to class 3 semaphorins and remodeling of the actin cytoskeleton. Plays a role in TNFSF11-mediated osteoclast differentiation, especially in podosome rearrangement and reorganization of the actin cytoskeleton. Regulates the activation of ITGB3, integrin signaling and cell adhesion (By similarity).[UniProtKB/Swiss-Prot Function]