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Product datasheet for RC219097L1V

EFCAB4B (CRACR2A) (NM_032680) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	EFCAB4B (CRACR2A) (NM_032680) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EFCAB4B
Synonyms:	EFCAB4B
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_032680
ORF Size:	1185 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219097).
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_032680.2
RefSeq Size:	2204 bp
RefSeq ORF:	1188 bp
Locus ID:	84766
UniProt ID:	Q9BSW2
Cytogenetics:	12p13.32
MW:	45.4 kDa

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Gene Summary: Ca(2+)-binding protein that plays a key role in store-operated Ca(2+) entry (SOCE) in T-cells by regulating CRAC channel activation. Acts as a cytoplasmic calcium-sensor that facilitates the clustering of ORAI1 and STIM1 at the junctional regions between the plasma membrane and the endoplasmic reticulum upon low Ca(2+) concentration. It thereby regulates CRAC channel activation, including translocation and clustering of ORAI1 and STIM1. Upon increase of cytoplasmic Ca(2+) resulting from opening of CRAC channels, dissociates from ORAI1 and STIM1, thereby destabilizing the ORAI1-STIM1 complex.[UniProtKB/Swiss-Prot Function]