

## Product datasheet for **RC217478L4V**

### PREX1 (NM\_020820) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PREX1 (NM_020820) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PREX1
Synonyms:	P-REX1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020820
ORF Size:	4977 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217478).
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. <a href="#">More info</a>
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:	<a href="#">NM_020820.2</a>
RefSeq Size:	6633 bp
RefSeq ORF:	4980 bp
Locus ID:	57580
UniProt ID:	<a href="#">Q8TCU6</a>
Cytogenetics:	20q13.13
Protein Pathways:	Chemokine signaling pathway
MW:	186 kDa



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**Gene Summary:**

The protein encoded by this gene acts as a guanine nucleotide exchange factor for the RHO family of small GTP-binding proteins (RACs). It has been shown to bind to and activate RAC1 by exchanging bound GDP for free GTP. The encoded protein, which is found mainly in the cytoplasm, is activated by phosphatidylinositol-3,4,5-trisphosphate and the beta-gamma subunits of heterotrimeric G proteins. [provided by RefSeq, Jul 2008]