

Product datasheet for **RC205822L4V**

TMEM8A (PGAP6) (NM_021259) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TMEM8A (PGAP6) (NM_021259) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PGAP6
Synonyms:	GPI-PLA2; M83; TMEM6; TMEM8; TMEM8A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021259
ORF Size:	2313 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205822).
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_021259.1
RefSeq Size:	3656 bp
RefSeq ORF:	2316 bp
Locus ID:	58986
UniProt ID:	Q9HCN3
Cytogenetics:	16p13.3
Protein Families:	Transmembrane
MW:	84.7 kDa


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Gene Summary:

Involved in the lipid remodeling steps of GPI-anchor maturation. Lipid remodeling steps consist in the generation of 2 saturated fatty chains at the sn-2 position of GPI-anchor proteins (GPI-AP). Has phospholipase A2 activity that removes an acyl-chain at the sn-2 position of GPI-anchors during the remodeling of GPI. Required for the shedding of the GPI-AP TDGF1, but not CFC1, at the cell surface. Shedding of TDGF1 modulates Nodal signaling by allowing soluble TDGF1 to act as a Nodal coreceptor on other cells (PubMed:27881714). Also indirectly involved in the translocation of RAC1 from the cytosol to the plasma membrane by maintaining the steady state amount of CAV1-enriched plasma membrane subdomains, stabilizing RAC1 at the plasma membrane (PubMed:27835684). In contrast to myomaker (TMEM8C), has no fusogenic activity (PubMed:26858401).[UniProtKB/Swiss-Prot Function]