

Product datasheet for **MR204481L4V**

Epcam (NM_008532) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

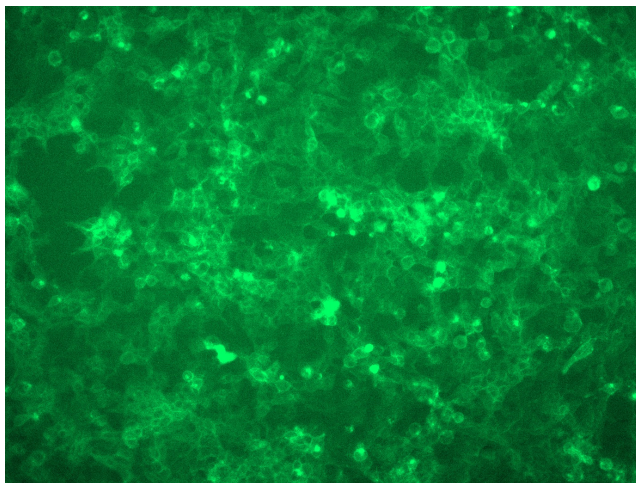
Product Type:	Lentiviral Particles
Product Name:	Epcam (NM_008532) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Epcam
Synonyms:	CD326; EGP; EGP-2; Egp314; Ep-CAM; EpCAM1; GA733-2; gp40; Ly74; Tacsd1; Tacstd1; TROP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008532
ORF Size:	948 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204481).
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_008532.2 , NP_032558.2
RefSeq Size:	2061 bp
RefSeq ORF:	948 bp
Locus ID:	17075
UniProt ID:	Q99JW5
Cytogenetics:	17 E4



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Gene Summary:

May act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

[MR204481L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR204481L4V particle to overexpress human Epcam-mGFP fusion protein.