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Product datasheet for RC211341L3V

EPOR (NM_000121) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	EPOR (NM_000121) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EPOR
Synonyms:	EPO-R
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000121
ORF Size:	1524 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211341).
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_000121.3
RefSeq Size:	2459 bp
RefSeq ORF:	1527 bp
Locus ID:	2057
UniProt ID:	P19235
Cytogenetics:	19p13.2
Domains:	FN3
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane

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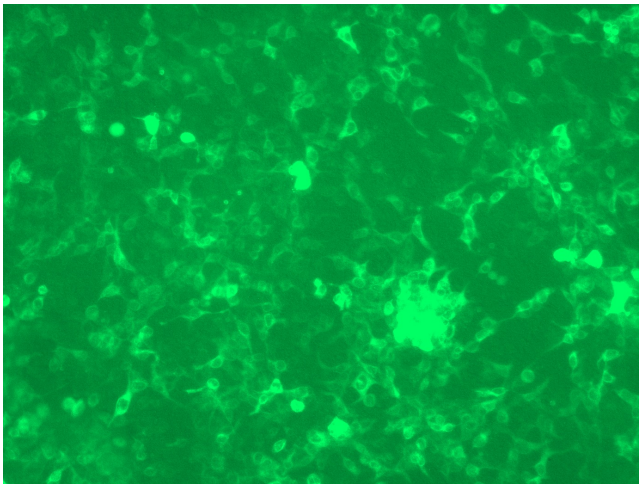
Protein Pathways: Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway

MW: 55.5 kDa

Gene Summary: This gene encodes the erythropoietin receptor which is a member of the cytokine receptor family. Upon erythropoietin binding, this receptor activates Jak2 tyrosine kinase which activates different intracellular pathways including: Ras/MAP kinase, phosphatidylinositol 3-kinase and STAT transcription factors. The stimulated erythropoietin receptor appears to have a role in erythroid cell survival. Defects in the erythropoietin receptor may produce erythroleukemia and familial erythrocytosis. Dysregulation of this gene may affect the growth of certain tumors. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

Product images:



[RC211341L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC211341L3V particle to overexpress human EPOR-Myc-DDK fusion protein.