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Product datasheet for RC206554L1V

TIE2 (TEK) (NM_000459) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TIE2 (TEK) (NM_000459) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TIE2
Synonyms:	CD202B; GLC3E; TIE-2; TIE2; VMCM; VMCM1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000459
ORF Size:	3372 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206554).
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_000459.1
RefSeq Size:	4138 bp
RefSeq ORF:	3375 bp
Locus ID:	7010
UniProt ID:	Q02763
Cytogenetics:	9p21.2
Domains:	pkinase, TyrKc, S_TKc, FN3, EGF, EGF
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane

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MW: 125.8 kDa

Gene Summary: This gene encodes a receptor that belongs to the protein tyrosine kinase Tie2 family. The encoded protein possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. The ligand angiopoietin-1 binds to this receptor and mediates a signaling pathway that functions in embryonic vascular development. Mutations in this gene are associated with inherited venous malformations of the skin and mucous membranes. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2014]