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Product datasheet for RC207771L4V

TIE1 (NM_005424) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TIE1 (NM_005424) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TIE1
Synonyms:	JTK14; LMPHM11; TIE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005424
ORF Size:	3414 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207771).
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_005424.2, NP_005415.1
RefSeq Size:	4000 bp
RefSeq ORF:	3417 bp
Locus ID:	7075
UniProt ID:	P35590
Cytogenetics:	1p34.2
Domains:	pkinase, TyrKc, S_TKc, ig, IG, FN3, EGF, EGF
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane

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MW: 125.1 kDa

Gene Summary: This gene encodes a member of the tyrosine protein kinase family. The encoded protein plays a critical role in angiogenesis and blood vessel stability by inhibiting angiopoietin 1 signaling through the endothelial receptor tyrosine kinase Tie2. Ectodomain cleavage of the encoded protein relieves inhibition of Tie2 and is mediated by multiple factors including vascular endothelial growth factor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]