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Product datasheet for SC332213

TIE1 (NM_001253357) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIE1 (NM_001253357) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIE1
Synonyms:	JTK14; LMPHM11; TIE
Vector:	pCMV6-Entry (PS100001)

View online »

Fully Sequenced ORF:

>SC332213 representing NM_001253357.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTGGGCCGGGGCGGGGAGGGGCTCGGACGCCTGGGGCCCGCCCCTGCTGCTGGAGAAGGACGACCGT
ATCGTGCGCACCCCGCCCGGGCCACCCCTGCGCCTGGCGCGCAACGGTTCGCACCAGGTCACGCTTCGC
GGCTTCTCCAAGCCCTCGGACCTCGTGGGCGTCTTCTCCTGCGTGGGCGGTGCTGGGGCGCGGCGCACG
CGCGTCATCTACGTGCACAACAGCCCTGGAGCCCACCTGCTTCCAGACAAGGTCACACACACTGTGAAC
AAAGGTGACACCGCTGTACTTTCTGCACGTGTGCACAAGGAGAAGCAGACAGACGTGATCTGGAAGAGC
AACGGATCCTACTTCTACACCCTGGACTGGCATGAAGCCCAGGATGGGCGGTTCCTGCTGCAGCTCCCA
AATGTGCAGCCACCATCGAGCGGCATCTACAGTGCCACTTACCTGGAAGCCAGCCCCCTGGGCAGCGCC
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TCAGGCTGCCGGGGCCTCACCTTCTGCCTCCCAGACCCCTATGGCTGCTCTTGTGGATCTGGCTGGAGA
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CCCCGCTTGGTTCTTGCGGACAGTGGGTTCTGGGAGTGCCGTGTGTCCACATCTGGCGGCCAAGACAGC
CGGCGCTTCAAGGTCAATGTGAAAGTGCCCCCCGTGCCCCTGGCTGCACCTCGGCTCCTGACCAAGCAG
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CCCCTGAGCTACCCAGTGCTAGAGTGGGAGGACATCACCTTTGAGGACCTCATCGGGGAGGGGAACTTC
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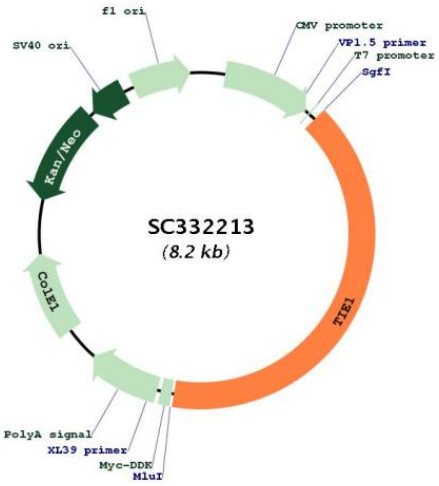
ACCTGTGCCGAGCTCTATGAAAAGCTGCCCCAGGGCTACCGCATGGAGCAGCCTCGAAACTGTGACGAT
GAAGTGTACGAGCTGATGCGTCAGTGCTGGCGGGACCGTCCCTATGAGCGACCCCCCTTTGCCCAGATT
GCGCTACAGCTAGGCCGCATGCTGGAAGCCAGGAAGGCCTATGTGAACATGTCGCTGTTTGAGAACTTC
ACTTACGCGGGCATTGATGCCACAGCTGAGGAGGCCTGA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001253357

Insert Size: 3282 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_001253357.1

RefSeq Size: 3917 bp

RefSeq ORF: 3282 bp

Locus ID: 7075

Cytogenetics: 1p34.2

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

MW: 120.2 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]
Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1.