

Product datasheet for SC125505

TIE1 (NM_005424) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIE1 (NM_005424) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIE1
Synonyms:	JTK14; LMPHM11; TIE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_005424 edited
 CTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATT
 CGGCACGAGGAGCATCTGACCCAGGCCAGCTCGTCTGGCTGGCCTGGGTCGGCCTCT
 GGAGTATGGTCTGGCGGGTGCCCTTTCTTGCTCCCCATCCTCTTCTGGCTTCTCATG
 TGGGCGCGGGTGGACCTGACGCTGCTGGCCAACCTGCGGCTCACGGACCCCGCGCT
 TCTTCTGACTTGCGTGTCTGGGAGGCCGGGCGGGAGGGGCTCGGACGCTGGGGCC
 CGCCCTGCTGCTGGAGAAGGACGACCGTATCGTGCGCACCCCGCCGGGCCACCCCTGC
 GCCTGGCGCGCAACGGTTCGACCAGGTCACGCTTCGCGGCTTCTCAAGCCCTCGGACC
 TCGTGGGCGTCTTCTCCTGCGTGGGCGGTGCTGGGGCGCGGCGCACGCGCGTCATCTACG
 TGCACAACAGCCCTGGAGCCACCTGCTCCAGACAAGGTCACACACTGTGAACAAAG
 GTGACACCGCTGTACTTTCTGCACGTGTGCACAAGGAGAAGCAGACAGACGTGATCTGGA
 AGAGCAACGGATCCTACTTCTACACCCTGGACTGGCATGAAGCCAGGATGGGCGGTTCC
 TGCTGCAGCTCCCAAATGTGCAGCCACCATCGAGCGGCATCTACAGTGCCACTTACCTGG
 AAGCCAGCCCTGGGACGCGCTTCTTTGCGGCTCATCGTGCGGGGTTGTGGGGCTGGGC
 GCTGGGGGCCAGGCTGTACCAAGGAGTGCCAGGTTGCCACATGGAGGTGTCTGCCACG
 ACCATGACGGCGAATGTGTATGCCCCCTGGCTTCACTGGCACCCGCTGTGAACAGGCT
 GCAGAGAGGGCCGTTTTGGGCAGAGCTGCCAGGAGCAGTCCAGGCATATCAGGCTGCC
 GGGCCTCACCTTCTGCCTCCCAGACCCTATGGCTGCTCTTGTGGATCTGGCTGGAGAG
 GAAGCCAGTGCCAAGAAGCTTGTGCCCTGGTCATTTTGGGGCTGATTGCCGACTCCAGT
 GCCAGTGTGAGAATGGTGGCACTTGTGACCGGTTCAAGTGGTTGTGTCTGCCCTCTGGGT
 GGCATGGAGTGCCTGTGAGAAGTCAGACCGGATCCCCAGATCCTCAACATGGCCTCAG
 AACTGGAGTTCAACTTAGAGACGATGCCCGGATCAACTGTGCAGCTGCAGGGAACCCCT
 TCCCCGTGCGGGCAGCATAGAGCTACGCAAGCCAGACGGCACTGTGCTCCTGTCCACCA
 AGGCCATTGTGGAGCCAGAGAAGACCACAGCTGAGTTCGAGGTGCCCCGCTTGGTTCTTG
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 TCAAGGTCAATGTGAAAGTGCCCCCGTCCCTGGCTGCACCTCGGCTCCTGACCAAGC
 AGAGCCCGCAGCTTGTGGTCTCCCCGCTGTTCTCTGGGATGGACCCATCTCCA



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CTGTCCGCTGCACTACCGCCCCAGGACAGTACCATGGACTGGTCGACCATTGTGGTGG
 ACCCCAGTGAGAACGTGACGTTAATGAACCTGAGGCCAAAGACAGGATACAGTGTTCGTG
 TGCAGCTGAGCCGGCCAGGGGAAGGAGAGAGGGGGCCTGGGGCCTCCCACCCTCATGA
 CCACAGACTGTCTGAGCCTTTGTTGCAGCCGTGGTTGGAGGGCTGGCATGTGGAAGGCA
 CTGACCGGCTGCGAGTGAGCTGGTCCTTGCCTTGGTCCCGGGCCACTGGTGGGCGACG
 GTTTCCTGCTGCGCCTGTGGGACGGGACACGGGGCAGGAGCGGGGGAGAACGTCTCAT
 CCCCCAGGCCCGCACTGCCCTCCTGACGGGACTCACGCCTGGCACCCACTACCAGCTGG
 ATGTGCAGCTCTACCACTGCACCCTCCTGGGCCGGCCTCGCCCCCTGCACACGTGCTTC
 TGCCCCCAGTGGGCTCCAGCCCCCGACACCTCCACGCCAGGCCCTCTCAGACTCCG
 AGATCCAGCTGACATGGAAGCACCCGGAGGCTCTGCCTGGGCAAATATCCAAGTACGTTG
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 ACCTGGTGCCCCGAATGTGCTGGTGGGAGAGAACCTAGCCTCCAAGATTGCAGACTTCG
 GCCTTTCTCGGGGAGAGGAGTTTATGTGAAGAAGACGATGGGGCGTCTCCCTGTGCGCT
 GGATGGCCATTGAGTCCCTGAACACAGTGTCTATACCACCAAGAGTGATGTCTGGTCTC
 TTGGAGTCTTCTTTGGGAGATAGTGAGCCTTGGAGGTACACCCTACTGTGGCATGACCT
 GTGCCGAGCTCTATGAAAAGCTGCCCCAGGGCTACCGCATGGAGCAGCCTCGAAACTGTG
 ACGATGAAGTGTACGAGCTGATGCGTCAGTGTGCGGGGACCGTCCCTATGAGCGACCCC
 CCTTTGCCAGATTGCGCTACAGCTAGGCCGCATGCTGGAAGCCAGGAAGGCCTATGTGA
 ACATGTGCTGTTTGAGAACTTCACTTACGCGGGCATTGATGCCACAGCTGAGGAGGCCT
 GAGCTGCCATCCAGCCAGAACGTGGCTCTGCTGGCCGGAGCAAACCTCTGCTGTCTAACCT
 GTGACCAGTCTGACCCTTACAGCCTCTGACTTAAGCTGCCTCAAGGAATTTTTTAACTT
 AAGGGAGAAAAAAGGGATCTGGGGATGGGGTGGGCTTAGGGAACTGGGTTCCCATGCT
 TTGTAGGTGTCTCATAGCTATCCTGGGCATCCTTCTTTCTAGTTACAGCTGCCCCACAGGT
 GTGTTTCCCATCCCACTGCTCCCCAACACAAACCCCACTCCAGCTCCTTCGTTAAGC
 CAGCACTCACACCACTAACATGCCCTGTTTCAGCTACTCCCA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005424 unedited
 GAAATTACGCGCCGTTGNCGCATTGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAA
 GCATATCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCG
 CGAATTCGGCAGCAGGAGCATCTGACCCAGGCCAGCTCGTCTGGCTGGCCTGGGTGCG
 GCCTCTGGAGTATGGTCTGGCGGGTGCCCCCTTCTTGTCCCCATCCTCTTCTGGCTT
 CTCATGTGGGCGCGGGTGGACCTGACGCTGCTGGCCAACTGCGGCTCACGGACCCCC
 AGCGCTTCTTCTGACTTGCCTGTCTGGGAGGCCGGGGCGGGGAGGGGCTCGGACGCT
 GGGGCCCGCCCTGCTGCTGGAGAAGGACGACCGTATCGTGCGCACCCCGCCGGGCCAC
 CCCTGCGCCTGGCGCGCAACGGTTCGCACCAGGTACGCTTCGCGGCTTCTCCAAGCCCT
 CGGACCTCGTGGGCGTCTTCTCCTGCGTGGGCGGTGCTGGGGCGCGGCACGCGCTCA
 TCTACGTGCACAACAGCCCTGGAGCCACCTGCTTCCAGACAAGGTCACACACTGTGA
 ACAAAGGTGACACCGCTGACTTTCTGCACGTGTGCACAAGGAGAAGCAGACAGACGTGA
 TCTGGAAGAGCAACGGATCCTACTTCTACACCCTGGACTGGCATGAAGCCAGGATGGGG
 CGGTTCTGCTGCAGCTCCCAAATGTGCAGCCACCATCGAGCGGCATCTACAGTCCACT
 TACCTGGAAGCCAGCCCTGGGACGCGCTTCTTTCGGCTCATGTCGGGGNTTGTGG
 GGCTTGGCGCTGGNGCCAGCTGTACCAAGGATGCCCCAGGTGCCTACTGNNAGGTGTC
 TGCCACGACATGACG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005424 unedited
 AATGGGGGNACATTCATTNATTCTGATGACAGCCGGGCGTGGGAGTAGCTGAACAGGG
 CATGTTAGTGGTGTGAGTGTGGCTTAAGCGAAGGAGCTGGAGTGGGGTGTGTGGG
 GGAGCAGTGGGATGGGAAACACACCTGTGGGCGAGCTGAACTAGAAAGAAGGATGCCAG
 GATAGCTATGAGACACCTACAAAGCATGGGAACTATTTTCCCTAAGCCACCCATCCC
 CAGATCCCTTTTTTCTCCCTTAAGTTAAAAAATTCCTTGAGGCAGCTTAAGTCAGAGG
 CTGTAAGGGTCAGACTGGTCACAGGTTAGACAGCAGAGTTGCTCCGGCCAGCAGAGCCA
 CGTTCTGGCTGGATGGCAGCTCAGGCCTCCTCAGCTGTGGCATCAATGCCCGCTAAGTGC
 AAGTTCTCAAACAGCGACATGTTACATAGGCCCTTCTGGCTTCCAGCATGCGGCCTAGC
 TGTAGCGCAATCTGGGCAAGGGGGTGCCTCATAGGGACGGTCCCGCCAGCACTGACGC
 ATCAGCTCGTACACTTCATCGTACAGTTTCGAGGCTGCTCCATGCGGTAGCCCTGGGGC
 AGCTTTTCATAGAGCTCGGCACAGGTCATGCCACAGTAGGGTGTACCTCAAGGCTCACT
 ATCTCCAAAGAAGGACTTCCAAAGGACCAGACATCACTCTTTGTGGGTATAGACTGT
 AGTTTCAGGGACTCAATGGCCATCCAGCGCACAGGGAGACGCCCATCGTCTTTTTCACAT
 AAACCTCTCTCCCCGAGAAAGCCGGAATCTTGAATCTTGAAGCTAGGTTCTTCCGAC
 CAGACTTCCGGCAGGCAGGTCCTGTGGGAGAACTGGTCTAACTCAGGACCTGCTGCA
 CTTGCCCGCTTCTA

Restriction Sites:

NotI-NotI

ACCN:

NM_005424

Insert Size:

4200 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:	<ol style="list-style-type: none">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_005424.2 , NP_005415.1
RefSeq Size:	4000 bp
RefSeq ORF:	3417 bp
Locus ID:	7075
UniProt ID:	P35590
Cytogenetics:	1p34.2
Domains:	kinase, TyrKc, S_TKc, ig, IG, FN3, EGF, EGF
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>