

Product datasheet for **RC239844**

TIE2 (TEK) (NM_001290078) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIE2 (TEK) (NM_001290078) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TIE2
Synonyms:	CD202B; GLC3E; TIE-2; TIE2; VMCM; VMCM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

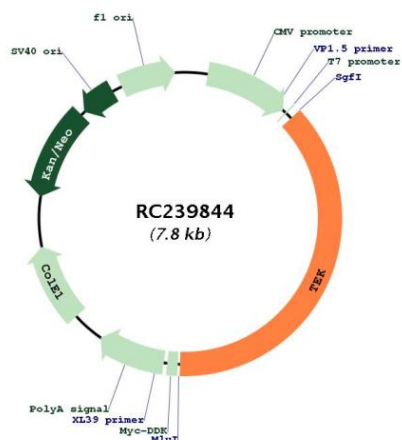
>RC239844 representing NM_001290078.
 Blue=ORF Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGACTCTTTAGCCAGCTTAGTTCTCTGTGGAGTCAGCTTGCTCCTTTCTGCTTCCTTCTACCAGCT
ACTTTAACTATGACTGTGGACAAGGGAGATAACGTGAACATATCTTTCAAAAAGGTATTGATTAAGAA
GAAGATGCAGTGATTTACAAAAATGGTTCTTCATCCATTCAAGTCCCGGCATGAAGTACCTGATT
CTAGAAGTACACCTGCCTCATGCTCAGCCCCAGGATGCTGGAGTGTACTCGGCCAGGTATATAGGAGGA
AACCTCTTACCTCGGCCTTACCAGGCTGATAGTCCGGAGATGTGAAGCCAGAAGTGGGGACCTGAA
TGCAACCATCTCTGACTGCTTGTATGAACAATGGTGTCTGCCATGAAGATACTGGAGAATGCATTTGC
CCTCTGGGTTTATGGGAAGGACGTGTGAGAAGGCTTGTGAAGTGCACACGTTTGGCAGAAGTGTAAA
GAAAGGTGCAGTGGACAAGAGGGATGCAAGTCTTATGTGTCTGCTCCCTGACCCCTATGGGTGTTC
TGTGCCACAGGCTGGAAGGTCTGCAGTCAATGAAGGCATACCGAGGATGACCCCAAAGATAGTGGAT
TTGCCAGATCATATAGAAGTAAACAGTGGTAAATTTAATCCATTGCAAAGCTTCTGGCTGGCCGCTA
CCTACTAATGAAGAAATGACCCGGTGAAGCCGGATGGGACAGTCTCCATCCAAAAGACTTTAACCAT
ACGGATCATTTCTCAGTAGCCATATTCACCATCCACCGGATCCTCCCCCTGACTCAGGAGTTTGGGTC
TGCAGTGTGAACACAGTGGCTGGGATGGTGGAAAAGCCCTTCAACATTTCTGTTAAAGTTCTTCAAAG
CCCCTGAATGCCCAAACGTGATTGACTGGACATAACTTTGCTGTCAACATCAGCTCTGAGCCT
TACTTTGGGGATGGACCAATCAAATCCAAGAAGCTTCTATACAAACCCGTTAATCACTATGAGGCTTGG
CAACATATTCAAGTGACAAATGAGATTGTTACTCAACTATTTGGAACCTCGGACAGAATGAAGTCTC
TGTGTCAACTGGTCCGTCGTGGAGAGGGTGGGAAGGGCATCCTGGACCTGTGAGACGCTTCAACA
GCTTCTATCGGACTCCCTCCAAGAGTCTAAATCTCCTGCCTAAAAGTCAAGCCAGTCAAAATTTG
ACCTGGCAACCAATATTTCCAAGCTCGGAAGATGACTTTTATGTTGAAGTGGAGAGAAGGTCTGTGCAA
AAAAGTGTACAGCAGAATATTAAGTTCAGGCAACTGACTTCGGTGTACTTAAACAATTACATCCC
AGGGAGCAGTACGTGGTCCGAGCTAGAGTCAACACCAAGGCCAGGGGAATGGAGTGAAGATCTCACT
GCTTGGACCTTAGTGACATTCTCCTCCTCAACCAGAAAACATCAAGATTTCCAACATTACACTCC
TCAGCTGTGATTTCTGGACAATATTGGATGGCTATTCTATTTCTTATTACTATCCGTTACAAGTT
CAAGGCAAGAATGAAGACCAGCAGTGTGATGTGAAGATAAAGAATGCCACCATCACTCAGTATCAGCTC
AAGGGCTAGAGCCTGAAACAGCATACCAGGTGGACATTTTGCAGAGAACAACATAGGGTCAAGCAAC
CCAGCCTTTTCTCATGAAGTGGTACCCTCCAGAAATCTCAAGCACCAGCGGACCTCGGAGGGGGAAG
ATGCTGCTTATAGCCATCCTTGGCTCTGCTGGAATGACCTGCCTGACTGTGCTGTTGGCCTTTCTGATC
ATATTGCAATTGAAGAGGGCAAATGTGCAAAGGAGAATGGCCAAAGCCTTCAAAAACAGGGAAGAACA
GCTGTGCAAGTCAACTCAGGACTCTGGCCCTAAACAGGAAGGTCAAAAACAACCCAGATCCTACAATT
TATCCAGTGTGACTGGAATGACATCAAATTTCAAGATGTGATTGGGGAGGGCAATTTTGGCCAAGTT
CTTAAGGCGCGCATCAAGAAGGATGGGTTACGGATGGATGCTGCCATCAAAGAATGAAAGAATATGCC
TCCAAAGATGATCACAGGACTTTGCAGGAACTGGAAGTCTTTGTAAGTGGACACCATCAAAC
ATCATCAATCTTAGGAGCATGTGAACATCGAGGCTACTGTACCTGGCATTGAGTACGCGCCCAT
GGAAACCTTCTGGACTTCTTCCGAAGAGCCGTGCTGGAGACGACCCAGCATTGGCATTGCCAAT
AGCACCGCTCCACTGTCTCCAGCAGCTCCTTCACTTCGCTGCCGACGTGGCCCGGGCATGGAC
TACTTGAGCCAAAACAGTTTATCCACAGGATCTGGCTGCCAGAAACATTTTAGTTGGTAAAATAT
GTGGCAAAAATAGCAGATTTTGGATTGTCCGAGGTCAAGAGGTGTATGTGAAAAGACAATGGGAAGG
CTCCAGTGCCTGGATGGCCATCGAGTCACTGAATTACAGTGTGTACACAACCAACAGTGTATGG
TCCTATGGTGTGTTACTATGGGAGATTGTTAGCTTAGGAGGCACACCCTACTGCGGGATGACTTGTGCA
GAACTCTACGAGAAGCTGCCCCAGGCTACAGACTGGAGAAGCCCTGAACTGTGATGATGAGGTGTAT
GATCTAATGAGACAATGTGGCGGGAGAAGCCTTATGAGAGGCCATCATTTGCCAGATATTGGTGTCC
TTAAACAGAATGTTAGAGGAGCGAAAGACCTACGTGAATACCACGCTTTATGAGAAGTTACTTATGCA
GGAATTGACTGTTCTGCTGAAGAAGCGGCC
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```


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.
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_001290078.1 , NP_001277007.1
RefSeq Size:	4343 bp
RefSeq ORF:	2931 bp
Locus ID:	7010
UniProt ID:	Q02763
Cytogenetics:	9p21.2
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane
MW:	109.1 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]

Product images:



Circular map for RC239844