

Product datasheet for **SC119843**

TIE2 (TEK) (NM_000459) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TIE2 (TEK) (NM_000459) Human Untagged Clone
Tag: Tag Free
Symbol: TEK
Synonyms: CD202B; GLC3E; TIE-2; TIE2; VMCM; VMCM1
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene ORF sequence for NM_000459 edited

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ATGGACTCTTTAGCCAGCTTAGTTCTCTGTGGAGTCAGCTTGCTCCTTTCTGGAAGTGTG
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**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_000459 unedited
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 GACGTAGTAGGACGATGCTAATGGAAAGTCACAAACCGCTGGGTTTTTGAAGGATCCTT
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 GGAAGCCTGGAGTGTACTCGGGCCAGTTCTATAGGAGGAAAACCTCTTCCCTCG

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).