

Product datasheet for **RC206554L4V**

TIE2 (TEK) (NM_000459) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | TIE2 (TEK) (NM_000459) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | TIE2 |
| Synonyms: | CD202B; GLC3E; TIE-2; TIE2; VMCM; VMCM1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_000459 |
| ORF Size: | 3372 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC206554). |
| 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_000459.1 |
| RefSeq Size: | 4138 bp |
| RefSeq ORF: | 3375 bp |
| Locus ID: | 7010 |
| UniProt ID: | Q02763 |
| Cytogenetics: | 9p21.2 |
| Domains: | ptk, TyrKc, S_TKc, FN3, EGF, EGF |
| Protein Families: | Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane |

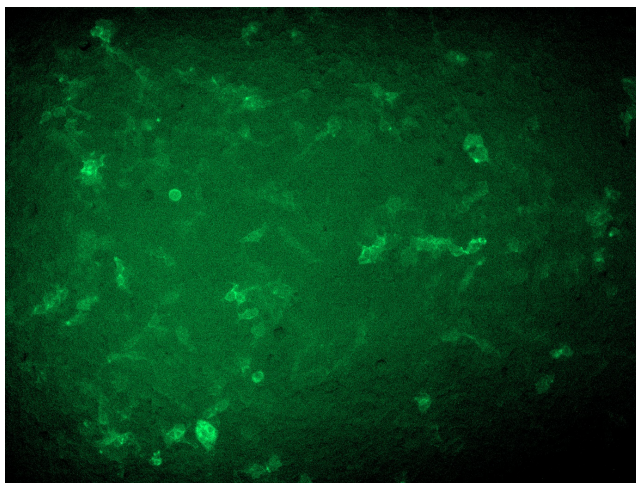


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MW: 125.8 kDa

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:



[RC206554L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC206554L4V particle to overexpress human TEK-mGFP fusion protein.