

# Recombinant Human TEK, GST-tagged

**Cat. No.** TEK-3177H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TEK protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                           |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | C-term-346aa                                                                                                                                                      |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TEK TEK tyrosine kinase, endothelial [ Homo sapiens ]                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b> | TEK                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>        | TEK; TEK tyrosine kinase, endothelial; venous malformations, multiple cutaneous and mucosal , VMCM; angiopoietin-1 receptor; CD202b; TIE 2; TIE2; VMCM1; hTIE2; p140 TEK; soluble TIE2 variant 1; soluble TIE2 variant 2; endothelial tyrosine kinase; tyrosine-protein kinase receptor TEK; tunica interna endothelial cell kinase; tyrosine- |

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | protein kinase receptor TIE-2; tyrosine kinase with Ig and EGF homology domains-2; VMCM; TIE-2; CD202B;                                                                                                                                                           |
| <b>Gene ID</b>             | 7010                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>         | NM_000459                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>      | NP_000450                                                                                                                                                                                                                                                         |
| <b>MIM</b>                 | 600221                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>          | Q02763                                                                                                                                                                                                                                                            |
| <b>Chromosome Location</b> | 9p21                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | Angiogenesis, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Rheumatoid arthritis |
| <b>Function</b>            | ATP binding; nucleotide binding; protein binding; protein kinase activity; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor activity; transmembrane receptor protein tyrosine kinase activity;                                        |