

## Recombinant Human Tyrosine Kinase With Immunoglobulin-Like And EGF-Like Domains 1, Fc-tagged

**Cat. No.** TIE1-1913H    **Lot. No.** (See product label)

### SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant humansoluble TIE1 was fused with the Fc part of human IgG1.                                                                                                                                                                                                                                                                   |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>              | Insect Cells                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>         | TIE1 and TIE2 comprise a receptor tyrosine kinase subfamily with unique structural characteristics: two immunoglobulin-like domains flanking three epidermal growth factor-like domains and followed by three fibronectin type III-like repeats in the extracellular region and a split tyrosine kinase domain in the cytoplasmic region. |
| <b>Form</b>                | Lyophilized                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>              | > 90% by SDS-PAGE and visualized by silver stain.                                                                                                                                                                                                                                                                                         |
| <b>Molecular Weight</b>    | 250 kDa                                                                                                                                                                                                                                                                                                                                   |
| <b>Subunit</b>             | Glycosylated dimer                                                                                                                                                                                                                                                                                                                        |
| <b>Endotoxin Level</b>     | < 0.1 ng per µg of sTIE-1/Fc.                                                                                                                                                                                                                                                                                                             |
| <b>Biological Activity</b> | Since a ligand for TIE1 has not yet been identified, the recombinant protein was not tested for biological activity.                                                                                                                                                                                                                      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>             | Samples are stable for 2-4 weeks at +4°C. sTIE-1/Fc should be stored in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b>     | TIE1                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>           | TIE1 tyrosine kinase with immunoglobulin-like and EGF-like domains 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | TIE1; tyrosine kinase with immunoglobulin-like and EGF-like domains 1; TIE; JTK14; tyrosine-protein kinase receptor Tie-1; OTTHUMP00000008352; soluble TIE1 variant 1; soluble TIE1 variant 2; soluble TIE1 variant 3; soluble TIE1 variant 4; soluble TIE1 variant 5; receptor tyrosine kinase; tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1; EC 2.7.10.1; Tyrosine-protein kinase receptor Tie-1 |
| <b>Gene ID</b>             | 7075                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_005424                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_005415                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>                 | 600222                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>          | P35590                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Chromosome Location</b> | 1p34-p33                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>            | ATP binding; nucleotide binding; protein binding; protein tyrosine kinase                                                                                                                                                                                                                                                                                                                                                                |

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activity;receptor activity; transmembrane receptor protein tyrosine kinase activity

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