

## Active Recombinant Human TIE1, Fc-tagged, Biotinylated

**Cat. No.** TIE1-700H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	The recombinant human Tie1-Fc fusion is expressed as a 967 amino acid protein consisting of Ala22 - Gln759 region of Tie1 and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	22-759 a.a.
<b>Form</b>	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
<b>Bio-activity</b>	Interacts with Tie2 and inhibits angiopoietin/Tie2-mediated signaling activity.
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 105.5; Estimated by SDS-PAGE under reducing condition (kDa): 110-120
<b>AA Sequence</b>	LSARVHKEKQTDVIWKSNGSYFYTLDWHEAQDGRFLLQLPNVQPPSSGIYSATYLE ASPLGSAFFRLIVRGCGA GRWGPCTKECPGCLHGGVCHDHDGECVCPGFTGT RCEQACREGRFGQSCQECPGISGCRGLTFCLPDPYGC SCGSGWRGSQCQEAC APGHFGADCRLQCQCQNGGTCDRFSGCVPSGWHGVHCEKSDRIPQILNMASEL EFNLE TmprINCAAAGNPFVVRGSIELRKPdGTvLLSTKAIVEPEKTTAEFEVPRLVL ADSGFWEcRVSTSGGQDSRRF KVNvKvPPVPLAAPRLlTKQSRQLVVSPLVSFSG DGPiSTVRLHYRPQDSTMDWSTIVVDPSENVTLmNLRPK TGYSVRVQLSRPGEgg

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

EGAWGPPTLMTTDCPEPLLQPWLEGWHVEGTDRLRVSWSLPLVPGPLVGDGFLLR  
 LWD GTRGQERRENVSSPQARTALLTGLTPGTHYQLDVQLYHCTLLGPASPPAHL  
 LPPSGPPAPRHLHAQALSDSEI QLTWKHPEALPGPISKYVVEVQVAGGAGDPLWID  
 VDRPEETSTIIRGLNASTRYLFRMRASIQGLGDSNTVEE STLGNGLQAEGPVQES  
 RAAEEGLDQGSGTGHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDV  
 S HEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYK  
 CKVSNKALPAPIEKTISKAK GQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDI  
 AVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDK SRWQQGNVFSCSVMHEA  
 LHNHYTQKSLSLSPGK

**Endotoxin**

<0.1 eu="" per="" 1="" µg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">

**Purity**

>95% judged by SDS-PAGE under reducing condition

**Storage**

The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

**Conjugation**

Biotin

## GENE INFORMATION

**Gene Name**

TIE1 tyrosine kinase with immunoglobulin-like and EGF-like domains 1 [ Homo sapiens ]

**Official Symbol**

TIE1

**Synonyms**

TIE1; tyrosine kinase with immunoglobulin-like and EGF-like domains 1; TIE, tyrosine

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kinase with immunoglobulin and epidermal growth factor homology domains 1; tyrosine-protein kinase receptor Tie-1; JTK14; tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1; TIE;

**Gene ID**

7075

**mRNA Refseq**

NM\_001253357

**Protein Refseq**

NP\_001240286

**MIM**

600222

**UniProt ID**


P35590

**Chromosome  
Location**

1p34-p33

**Function**

ATP binding; nucleotide binding; protein binding; protein tyrosine kinase activity; receptor activity; transmembrane receptor protein tyrosine kinase activity;

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