

## Active Recombinant Human TIE1, Fc-tagged

Cat. No. TIE1-701H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** 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.

**Species** Human

**Source** Human Cells

**ProteinLength** 22-759 a.a.

**Form** Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).

**Bio-activity** Interacts with Tie2 and inhibits angiopoietin/Tie2-mediated signaling activity.

**Molecular Mass** Calculated molecular mass (kDa): 105.5; Estimated by SDS-PAGE under reducing condition (kDa): 110-120

**AA Sequence**

```

AVDLTLLANLRLTDPQRFFLTCVSGEAGAGRGSDAWGPPLLEKDDRIVRTPPGPPL
RLARNGSHQVTLRGFSK PSDLVGVFSCVGGAGARRTRVIYVHNSPGAHLLPDKVT
HTVNKGD TAVLSARVHKEKQTDVIWKSNGSYFYTLD WHEAQDGRFLLQLPNVQPP
SSGIYSATYLEASPLGSAFFRLIVRGCGAGRWGPGCTKECPGCLHGGVCHDHDGE
CVCPPGFTGTRCEQACREGRFGQSCQECPGISGCRGLTFCLPDPYGCSCGSW
RGSQCQEACAPGHFGADCRL QCQCQNGGTCDRFSGCVCPSGWHGVHCEKSDRI
PQILNMASELEFNLETMPRINCAAAGNPFVVRGSIELRKP DGTVLLSTKAIVEPEKTT
AEFEVPRLLVLADSGFWECRVSTSGGQDSRRFKVNVKVPVPLAAPRLLTKQSRQLV
    
```

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VSPLVSFSGDGPISVRLHYRPQDSTMDWSTIVVDPSENVTLMNLRPKTGYSVRVQ  
 LSRPGEGGEGAWGPPTLM TTDCPELLQPWLEGWHVEGTDRLRVSWSLPLVPGP  
 LVGDGFLRLWDGTRGQERRENVSSPQARTALLTGLTP GTHYQLDVQLYHCTLLG  
 PASPPAHVLLPPSGPPAPRHLHAQALSDSEIQLTWKHPEALPGPISKYVVEVQVAGG  
 AGDPLWIDVDRPEETSTIIRGLNASTRYLFRMRASIQGLGDWSNTVEESTLGNGLQA  
 EGPVQESRAAEEGLDQ GSTGHTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTP  
 VTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPR EEQYNSTYRVVSVLTVLHQD  
 WLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLT CL  
 VKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVF  
 SCSVMHEALHNHYTQKS LSLSPGK

**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.

## 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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