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	AVDLTLLANLRLTDPQRFFLTCVSGEAGAGRGSDAWGPPLLLEKDDRIVRTPPGPPL RLARNGSHQVTLRGFSK PSDLVGVFSCVGGAGARRTRVIYVHNSPGAHLLPDKVT HTVNKGDTAVLSARVHKEKQTDVIWKSNGSYFYTLD WHEAQDGRFLLQLPNVQPP SSGIYSATYLEASPLGSAFFRLIVRGCGAGRWGPGCTKECPGCLHGGVCHDHDGE CVCPPGFTGTRCEQACREGRFGQSCQEQCPGISGCRGLTFCLPDPYGCSCGSGW RGSQCQEACAPGHFGADCRL QCQCQNGGTCDRFSGCVCPSGWHGVHCEKSDRI PQILNMASELEFNLETMPRINCAAAGNPFPVRGSIELRKP DGTVLLSTKAIVEPEKTT AEFEVPRLVLADSGFWECRVSTSGGQDSRRFKVNVKVPPVPLAAPRLLTKQSRQLV

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	VSPLVSFSGDGPISTVRLHYRPQDSTMDWSTIVVDPSENVTLMNLRPKTGYSVRVQ LSRPGEGGEGAWGPPTLM TTDCPEPLLQPWLEGWHVEGTDRLRVSWSLPLVPGP LVGDGFLLRLWDGTRGQERRENVSSPQARTALLTGLTP GTHYQLDVQLYHCTLLG PASPPAHVLLPPSGPPAPRHLHAQALSDSEIQLTWKHPEALPGPISKYVVEVQVAGG AGDPLWIDVDRPEETSTIIRGLNASTRYLFRMRASIQGLGDWSNTVEESTLGNGLQA EGPVQESRAAEEGLDQ GSTGTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPE 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA