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**Product Data Sheet**


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Product Name: TIE1 Human  
 Cat. No.: GP26198  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	HEK293 Cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Tyrosine-protein kinase receptor Tie-1, TIE1, TIE, JTK14, LMPHM11.		
Amino Acid Sequence	<p>AVDLTLLANL RLTDQRFFL TCVSGEAGAG RGSDAWGPPL LLEKDDRIVR          TPPGPPLRLA RENGSHQVTLR GFSKPSDLVG VFSCVGGAGA RRTRVIYVHN          SPGAHLLPKD VTHTVNKGDT AVLSARVHKE KQTDVIWKS N GSYFYTLDWH          EAQDGRFLLQ LPNVQPPSSG IYSATYLEAS PLGSAFFRLI VRGCGAGRWG          PGCTKECPGC LHGGVCHDHD GECVCPGFT GTRCEQACRE GRFGQSCQEQ          CPGISGCRGL TFCLDPYGC SCGSGWRGSQ CQEACAPGHF GADCRLQCQC          QNGGTCDRFS GCVCPSGWHG VHCEKSDRIP QILNMASELE FNLETMPRIN          CAAAGNPFV RGSIELRKP GTVLLSTKAI VEPEKTTAEF EVPRLVLADS          GFWECRVSTS GGQDSRRFKV NVKVPPVPLA APRLLTKQSR QLVVSPLVSF          SGDGPSTVR LHYPQDSTM DWSTIVDPS ENVTLMNLRP KTGYSVRVQL          SRPGEGGEGA WGPPTLMTT CPEPLLQPWL EGWHVEGTDR LRVSWSLPLV          PGPLVGDGFL LRLWDGTRGQ ERRENVSSPQ ARTALLTGLT PGTHYQLDVQ          LYHCTLLGPA SPPAHVLLPP SGPPAPRHLH AQALSDSEIQ LTWKHPEALP          GPISKYVVEV QVAGGAGDPL WIDVDRPEET STIIRGLNAS TRYLFMRAS          IQGLGDWSNT VEESTLGNGL QAEGPVQESR AAEEGLDQLE PKSCDKTHTC          PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN          WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK          ALPAIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD          IAVEWESNGQ PENNYKTPP VLDS DGSFFL YSKLTVDKSR WQQGNVFSCS          VMHEALHNHY TQKSLSLSPG KHHHHHHH</p>		
Formulation	The TIE1 solution (0.5mg/ml) contains 20mM Tris-HCl (pH 8.0), 0.1M NaCl and 50% glycerol.		

**Introduction**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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TIE1 is an angiopoietin receptor which takes part in hematopoiesis, angiogenesis and vasculogenesis. TIE1 is expressed primarily on endothelial and hematopoietic progenitor cells. TIE1 is expressed in immature hematopoietic Recombinant Human TIE1 protein cells and platelets. TIE1 upregulates the cell adhesion molecules (CAMs) VCAM-1, ICAM-1 and E-selectin through a p38-dependent mechanism. TIE1 has a proinflammatory effect and takes part in the endothelial inflammatory diseases such as atherosclerosis.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

TIE1 Human Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 977 amino acids (22-759 a.a) and having a molecular mass of 106.8kDa. TIE1 is fused to a 239 amino acid hIgG-His-Tag at C-terminus and is purified by proprietary chromatographic techniques.

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