

## Active Recombinant Mouse Tie1 Protein, His-tagged

**Cat. No.** Tie1-7352M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse soluble TIE-1 was fused with a 6x His-tag at the C-terminus was expressed in insect cells.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>Description</b>	Transmembrane tyrosine-protein kinase that may modulate TEK/TIE2 activity and contribute to the regulation of angiogenesis.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Since a ligand for TIE-1 has not yet been identified, the recombinant protein was not tested for biological activity.
<b>Molecular Mass</b>	95 kDa
<b>AA Sequence</b>	<p>SVDLTLNLANLRITDPQRFFLTCVSGEAGAGRSSDPPLLEKDDRIVRTFPPGQPLYLA  RNGSHQVTLRGFSKPSDLVGVFSCVGGAGARRTRVLYVHNSPGAHLFPDKVTHTV  NKGDTAVLSAHVHKKQTDVIWKNNNGSYFNTLDWQEADDGRFQLQLQNVQPPSSGI  YSATYLEASPLGSAFFRLIVRGCGAGRWGPGCVKDCPGCLHGGVCHDHDGECVCP  PGFTGTRCEQACREGRFGQSCQECPGTAGCGLTFCLPDPYGCSCGSGWRGSQ  CQEACAPDHFADCRLLQCQCQNGGTCDRFSGVCPSGWHGVHCEKSDRIPQILS  MATEVEFNIGTMPRINCAAAGNPFVVRGSMKLRKPDGTMLLSTKVIVEPDRTAEFEV  PSLTLGDSGFWEQVSTSGGQDSRRFKVNVKVPVPLTAPRLAKQSRQLVVSPLV</p>

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SFSGDGPISVRLHYRPQDSTIAWSAIVVDPSENVTLMNLKPKTGYNVVRVQLSRPGE  
 GGEGGWGPALMTTDCPEPLLQPWLESWHVEGPDRLRVSWSLPSVPLSGDGFLLR  
 LWDGARGQERRENISFPQARTALLTGLTPGTHYQLDVRLYHCTLLGPASPPAHVHL  
 PPSGPPAPRHLHAQALSDSEIQLMWHPEAPSGPISKYIVEIQVAGGSGDPQWMDVD  
 RPEETSIIVRGLNASTRYLFRVRASVQQLGDWSNTVEEATLGNGLQSEDPVRESRA  
 TRHHHHHH

**Endotoxin** < 0.1 ng/μg sTIE-1

**Purity** > 90 %

**Stability** Samples are stable for 2-4 weeks at 2-8 centigrade.

**Storage** sTIE-1 should be stored in working aliquots at -20 to -80 centigrade. Avoid repeated freeze-thaw cycles.

**Storage Buffer** PBS without stabilizers

**Reconstitution** The lyophilized sTIE-1 is soluble in water and most aqueous buffers. The lyophilized sTIE-1 should be restored in PBS or medium to a concentration not lower than 50 μg/mL.

## GENE INFORMATION

**Gene Name** Tie1 tyrosine kinase with immunoglobulin-like and EGF-like domains 1 [ Mus musculus (house mouse) ]

**Official Symbol** Tie1

**Synonyms** Tie1; tyrosine kinase with immunoglobulin-like and EGF-like domains 1; TI; TIE; tie-; tie-1; D430008P04Rik; tyrosine-protein kinase receptor Tie-1; tyrosine kinase

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receptor 1; EC 2.7.10.1

**Gene ID** [21846](#)

**mRNA Refseq** [NM\\_011587](#)

**Protein Refseq** [NP\\_035717](#)

**UniProt ID** [Q06806](#)

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