

Active Recombinant Mouse Tie1 Protein, His-tagged

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

SPECIFICATION

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

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SFSGDGPISSVRLHYRPQDSTIAWSAIVVDPSENVTLMNLPKKTGYNVRVQLSRPGE
 GGEGGWGPALMTTDCPEPLLQPWLESWHVEGPDRLRVSWSLPSVPLSGDGFLLR
 LWDGARGQERRENISFPQARTALLTGLTPGTHYQLDVRLYHCTLLGPASPPAHVHL
 PPSGPPAPRHLHAQALSDSEIQLMWHPEAPSGPISKYIVEIQVAGGSGDPQWMDVD
 RPEETSIIVRGLNASTRYLFRVRASVQGLGDWSNTVEEATLGNGLQSEDPVRESRA
 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 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