

Recombinant Human TIE1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TIE1-4846H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TIE1 MS Standard C13 and N15-labeled recombinant protein (NP_005415) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the tyrosine protein kinase family. The encoded protein plays a critical role in angiogenesis and blood vessel stability by inhibiting angiopoietin 1 signaling through the endothelial receptor tyrosine kinase Tie2. Ectodomain cleavage of the encoded protein relieves inhibition of Tie2 and is mediated by multiple factors including vascular endothelial growth factor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	125.1 kDa
AA Sequence	MVWRVPPFLLPILFLASHVGA AVDLTLLANLRLTDPQRFFLT CVSGEAGAGRGSDA WGPPLLEKDDRIVRTPPGPPLRLARNGSHQVTLRGFSKPSDLVGVFSCVGGAGAR RTRVIYVHNSPGAHLLPDKVTHTVNKGDTAVLSARVHKEKQTDVIWKSNGSYFYTLD WHEAQDGRFLLQLPNVQPPSSGIYSATYLEASPLGSAFFRLIVRGCGAGRWGPGCT KECPGCLHGGVCHDHDGECVCPPGFTGTRCEQACREGRFGQSCQECPGISGCR GLTFCLPDPYGCSCGSGWRGSQCQEACAPGHFGADCRLQCQCQNGGTCDRFSG

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CVCPSGWHGVHCEKSDRIPQILNMASELEFNLETMPRINCAAAGNPPFVRGSIELRK
 PDGTVLLSTKAIVEPEKTTAEFEVPRLVLADSGFWECRVSTSGGQDSRRFKVNVKV
 PPVPLAAPRLLTQSRQLVVSPLVSFSGDGPSTVRLHYRPQDSTMDWSTIVDPSE
 NVTLMNLRPKTGYSVRVQLSRPGEGGEGAWGPPTLMTTDCPEPLLQPWLEGWHV
 EGTDLRVSWSLPLVPGPLVGDGFLRLWDGTRGQERRENVSSPQARTALLTGLT
 PGTHYQLDVQLYHCTLLGPASPPAHVLLPPSGPPAPRHLHAQALSDSEIQLTWKHP
 EALPGPISKYVVEVQVAGGAGDPLWIDVDRPEETSTIIRGLNASTRYLFRMRASIQGL
 GDWSNTVEESTLGNGLQAEGPVQESRAAEEGLDQQLILAVVGSVSATCLTILAAALLT
 LVCIRRSCLHRRRTFTYQSGSGEETILQFSSGTLTLTRRPKLQPEPLSYPVLEWEDIT
 FEDLIGEGNFGQVIRAMIKKDGLKMNAAIKMLKEYASENDHRDFAGELEVLCGLGHH
 PNIINLLGACKNRGYLYIAIEYAPYGNLLDFLRKSRVLETDPFAFAREHGTASTLSSRQL
 LRFASDAANGMQYLSEKQFIHRDLAARNVLVGENLASKIADFGLSRGEEVYVKKTM
 GRLPVRWMAIESLNYSVYTTKSDVWSFGVLLWEIVSLGGTPYCGMTCAELYEKLQPQ
 GYRMEQPRNCDDEVYELMRQCWRDRPYERPPFAQIALQLGRMLEARKAYVNMSL
 FENFTYAGIDATAEEATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TIE1 tyrosine kinase with immunoglobulin-like and EGF-like domains 1 [Homo

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	sapiens (human)]
Official Symbol	TIE1
Synonyms	TIE1; tyrosine kinase with immunoglobulin-like and EGF-like domains 1; TIE, tyrosine 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_005424
Protein Refseq	NP_005415
MIM	600222
UniProt ID	P35590
SDS-PAGE	