

Product datasheet for TP307771

TIE1 (NM_005424) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tyrosine kinase with immunoglobulin-like and EGF-like domains 1 (TIE1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207771 protein sequence Red=Cloning site Green=Tags(s)

MVWRVPPFLLPILFLASHVGA AVDLTLLANLRLTDPQRFFLTCVSGEAGAGRGSDAWGPPLLEKDDRIV
 RTPPGPLRLARNGSHQVTLRGFSKPSDLVGVFSCVGGAGARRTRVIYVHNSPGAHLLPDKVTHTVNKGD
 TAVLSARVHKEKQTDVIWKSNGSYFYTLDWHEAQDGRFLLQLPNVQPPSSGIYSATYLEASPLGSAFFRL
 IVRGCAGRWGPGCTKECPGCLHGGVCHDHDGECVCPGPGFTGTRCEQACREGRFGQSCQECPGISGCRG
 LTFCLDPYGCSCGSGWRGSQCQEACAPGHFGADCRLQCQCQNGGTCDFSGCVCPSGWHGVHCEKSDRI
 PQILNMASELEFNLETMPRINCAAAGNPFVVRGSIELRKPDTVLLSTKAIVEPEKTTAEFEVPRVLAD
 SGFWECRVSTSGGQDSRRFKVNVKVPVPLAAPRLLTKQSRQLVVSPLVSFSGDGPSTVRLHYRPQDST
 MDWSTIVDPSENVTLMNLRPKTGYSVRVQLSRPGE GEGAWGPPTLMTTDCPELLQPWLEGWHVEGTD
 RLRVSWSLPLVPGPLVGDGFLRLWDGTRGQERRENVSSPQARTALLTGLTPGTHYQLDVQLYHCTLLGP
 ASPPAHVLLPPSGPPAPRHLHAQALSDSEIQLTWKHPEALPGPISKYVVEVQVAGGAGDPLWIDVDRPEE
 TSTIIRGLNASTRYLFRMRASIQGLGDWSNTVEESTLGNGLQAEGPVQESRAAEEGLDQQLILAVGVSVS
 ATCLTILAALLTLVCIRRSCLHRRRTFTYQSGSGEETILQFSSGTLTLTRRPKLQPEPLSYPVLEWEDIT
 FEDLIGEGNFGQVIRAMIKKDGLKMNAAIKMLKEYASENDHRDFAGELEVLCKLGHHPNIINLLGACKNR
 GYLYIAIEYAPYGNLLDFLRKSRLVLETPAFAREHGTASTLSSRQLLRFASDAANGMQYLSEKQFIHRDL
 AARNVLVGENLASKIADFGLSRGEEVYVKKTMGRLPVRWMAIESLNYSVYTTKSDVVSFGVLLWEIVSLG
 GTPYCGMTCAELYEKLPPQGYRMEQPRNCDDEVYELMRQCWRDRPYERPPFAQIALQLGRMLEARKAYVNM
 SLFENFTYAGIDATAEEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

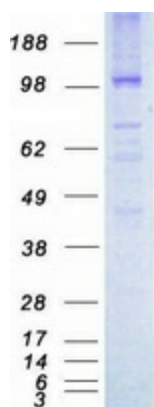
Tag:	C-Myc/DDK
Predicted MW:	124.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_005415</u>
Locus ID:	7075
UniProt ID:	<u>P35590</u>
RefSeq Size:	4000
Cytogenetics:	1p34.2
RefSeq ORF:	3414
Synonyms:	JTK14; LMPHM11; TIE
Summary:	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. [provided by RefSeq, Nov 2011]
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane

Product images:



Coomassie blue staining of purified TIE1 protein (Cat# TP307771). The protein was produced from HEK293T cells transfected with TIE1 cDNA clone (Cat# [RC207771]) using MegaTran 2.0 (Cat# [TT210002]).