

Specifications:

Gene:	<i>mTie1</i>
Accession:	NP_035717
Insert size:	3418bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

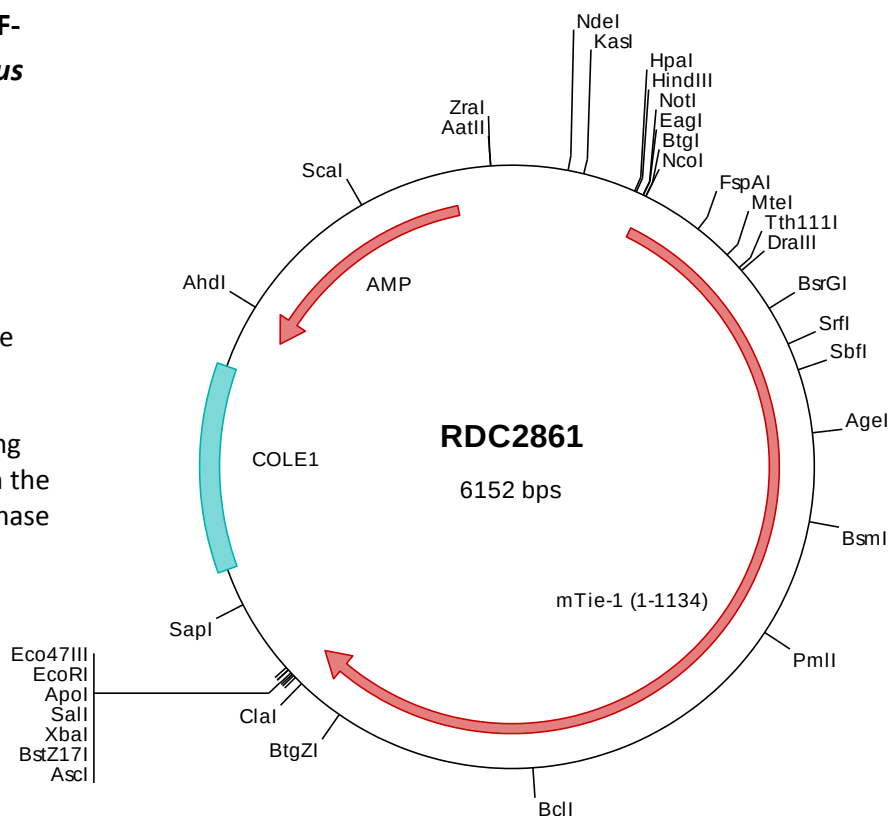
mTie-1 cDNA Plasmid

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

Also known as: TIE; tie-1;
D430008P04Rik

Summary:

Tie-1 is a member of the tyrosine protein kinase family. It plays a critical role in angiogenesis and blood vessel stability by inhibiting angiopoietin 1 signaling through the endothelial receptor tyrosine kinase Tie-2. It is mediated by multiple factors including vascular endothelial growth factor.



> RDC2861 Plasmid DNA Sequence

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> RDC2861 Translated Insert Sequence

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401  epdrttaefe vpsltlgdsq fweervstsg gqdsrrfkvn vkvpvpplta prllakgsrq lvvsvpvsfs gdgpissvrl hyrpqdstia wsaiivdpse
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601  alltltltpgt hqldlrvlyh atlllgpaspp ahvhlppsgp qhpeapsgpi skyiveiqva gsmklrpkpd gsmklrpkpd tmlstkviy vdreptsii
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