

Specifications:

Gene:	<i>hEPHB4</i>
Accession:	AAH52804
Insert size:	2977bp
Concentration:	10µg at 0.2µg/µL

***hEphB4* cDNA Plasmid**

EPHB4 EPH receptor B4 [*Homo sapiens* (human)]

Also known as: HTK; MYK1;
HFASD; CMAVM2; LMPHM7;
TYRO11

Summary:

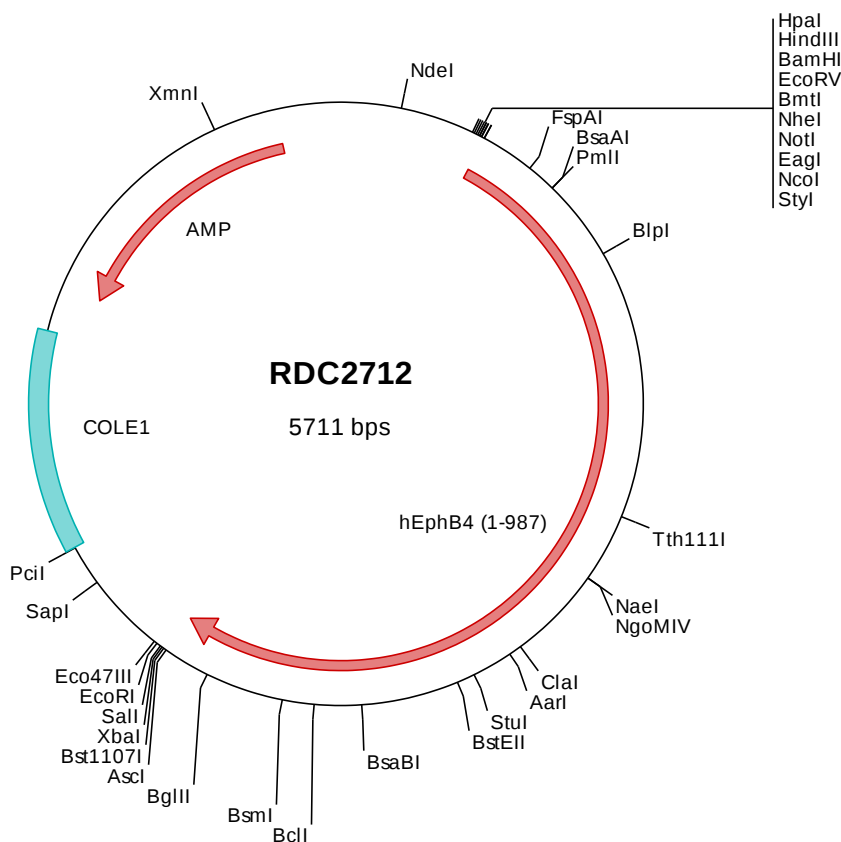
EphB4 is a member of the Eph receptor tyrosine kinase family and binds Ephrin-B2. Activation of kinase activity occurs after membrane-bound or clustered ligand recognition and binding. EphB4 is expressed preferentially on venous endothelial cells (EC) and inhibits cell-cell adhesion, chemotaxis, and angiogenesis. It plays an essential role in vascular development.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2712 Plasmid DNA Sequence

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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgcccagct ggcgaaaggg ggaatgtgtg caaggcgatt aagttgggta agccagggtt tttcccgatc acgacgttgt aaaacgacgg ccagtgaaat
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701  tcacagctgt cgcacgcgtg cgtttaccca tgtctgagtg cctgtccctg cctcgggctg ggcgctcctg caaggagacc ttcaccgtct tctactatga
801  gagcgtatcg gacacggcca cggccctcac gccagcctgg atggagaacc cctacatcaa ggtggacacg gtggcccgcg agcatctcac ccggaagcgc
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2301 tgaagaggtg attggtgcag gtgagtttgg cgaggtgtgc cggggggcgc tcaaggcccc agggagaag gagagctgtg tgccaatcaa gaccttgaag
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> RDC2712 Translated Insert Sequence

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201  tvnltrfpet vprelvpvpa gscvvdavpa ppspslycr edgqwaepqv tgscscapfe aaeagntkcra caqgtfkpls gegscqcpa nshsntigsa
301  vcqcrvgyfr artdprgacp ttpsaprsv vsrlngsslh crecrpggsc apcgldltfd ppprdlvepw vvvrlrpdf
401  tytfevtaln gvsslatgvp pfepvntvtd revvpavsd i rvtrsspsl slawavprap sgavldyevk yhekgaegps svrflktsen raelrglkr
501  asylvqvrar seagyygfgq ehhsqtqlde segwreqlal iagtavvgvv lvlvviavv lclrkqsngr eaeysdkhgq ylighgtkvy idpftyedpn
601  eavrefakei dsvykieev igagefgevc rgrlkapgk escvaiktik ggyterqrr flseasimgq fehpnirle gvvtnsmpvm iltefenga
701  ldsflrlndg qftviqlvgm lrgiasgmry laemsvyhrd laarnilvns nlvckvsdfg lsrfleenss dptytsslgg kipiwrtape aiafrkftsa
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