

Specifications:

Gene:	<i>hEphA3</i>
Accession:	NP_005224
Insert size:	2964bp
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

Shipping cDNA is provided in 10 mM Tris-Cl, pH 8.5. It normally ships at ambient temperature.

Stability & Storage 1 year upon receipt when stored at -20 to -80° C
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

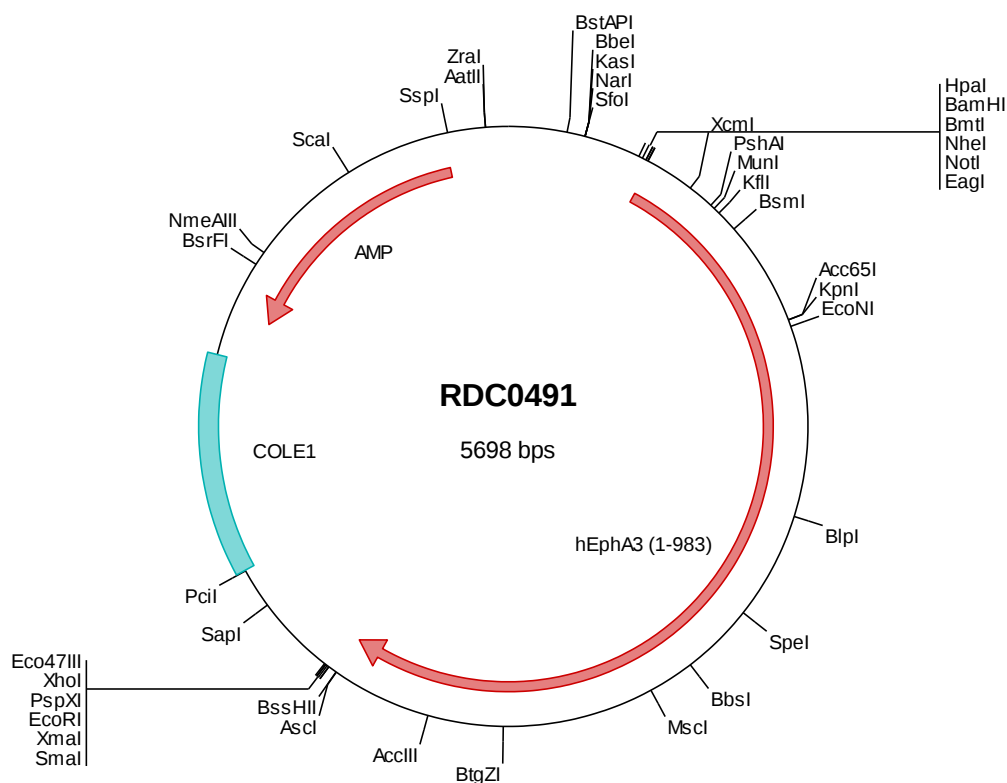
hEphA3 cDNA Plasmid

EPHA3 EPH receptor A3 [
***Homo sapiens*]**

Also known as: EK4; ETK;
HEK; ETK1; HEK4; TYRO4

Summary:

EphA3 belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. Eph and Eph-related receptors have been implicated in mediating developmental events, particularly in the nervous system. EphA3 binds ephrin-A ligands and is one of the most frequently mutated genes in lung cancer. It has been suggested that EphA3 has ephrin- and kinase-dependent tumor suppressing activities, which are disrupted by somatic cancer mutations. Two alternatively spliced transcript variants have been described for this gene.



> RDC0491 Plasmid DNA Sequence

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1   tcgcgcgcttt cgggtgatgac ggtgaaaaac tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatategc gtgtgaaata
201  ccgcacagat gcgtaaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcggggc tcttcgctat
301  tacgccagctt ggcgaaaagg ggaatgtctg caaggcgatt aagtttgggt acgccagggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggccgcgcacc atggattgtc agctctccat cctccctcct ctcagctgct ctgtttctga
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701  caaaactgggt cccaggaac tcagctcaga agatttatgt ggagctcaag ttcaacttac gagactgcaa tagcattcca ttggttttag gaacttgcaa
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2101 cttgtaacatta ttctcctcag ttgttctcat tatgttttga ttgtggagtt ctgtgtctct aagtcaaaa atggggcaga tgaaaaaaga cttcatgttg
2201 gcaatgggca tttaaaactt ccaggtctca ggacttatgt tgaccccat acatatgaag accctacca agctgttcat gagtttgcca aggaatttga
2301 tgccaccaac atatccattg ataaagtgtg tggagcaggt gaattttggg aggtgtgcag tggtcgctta aaacttcctt caaaaaaga gatttcagt
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> RDC0491 Translated Insert Sequence

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201  kcpftvklna mfpdtpvmds qlslevrgsc vnnskeedpp rmycstegew lvpigkcsn agyeergfmc qacrpgfyka ldgnmkcack pphsstqedg
301  smncrcenny fradkdppsm actrppsspr nvisninets vildswpld tggrrkdvtfn iickkcgwni kqcepcspnv rflprqfslt nttvtvtdll
401  ahtnytfeid avngvselss pprqfaavsi ttngaapspv ltikkdrtsr nsislswqep ehpnigildy evkyiekqeq etsytllrar gtnvtisslk
501  pdtiyvfqir artaagygtgn srkfefetsp dsfsisgess qvumiaisaa vaiilltvvi yvligrfcgy kskhgadekr lhfngnhlkl pglrtyvdph
601  tyedptqavh efakeldatn isidkvvgag efgevcsgrl klpskkeisv aiktlkvgyt ekqrrdflge asimggfdhp niirlegvvt kskpvmivte
701  ymengslsf lrkhdagftv iqlvgmlrgi asgmkylsdm gyvhrdlaar nilinsnlvc kvsdfglsvr leddpeaayt trggkipirw tspeaiayrk
801  ftsasdvwsy givlwevmsy gerpywemsn qdvikavdeg yrlpppmdcp aalyqlmldc wqkdrnnrpk feqivsildk lirnpgslki itsaaarpsn
901  llldqsnvdi ttfrrtgdwl ngvwtacke iftgveyssc dtiakistdd mkkvgvtvvg pqkkiissik aletqsknpg vpv
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