

Specifications:

Gene:	mEpha5
Accession:	NP_031963
Insert size:	2644bp
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.

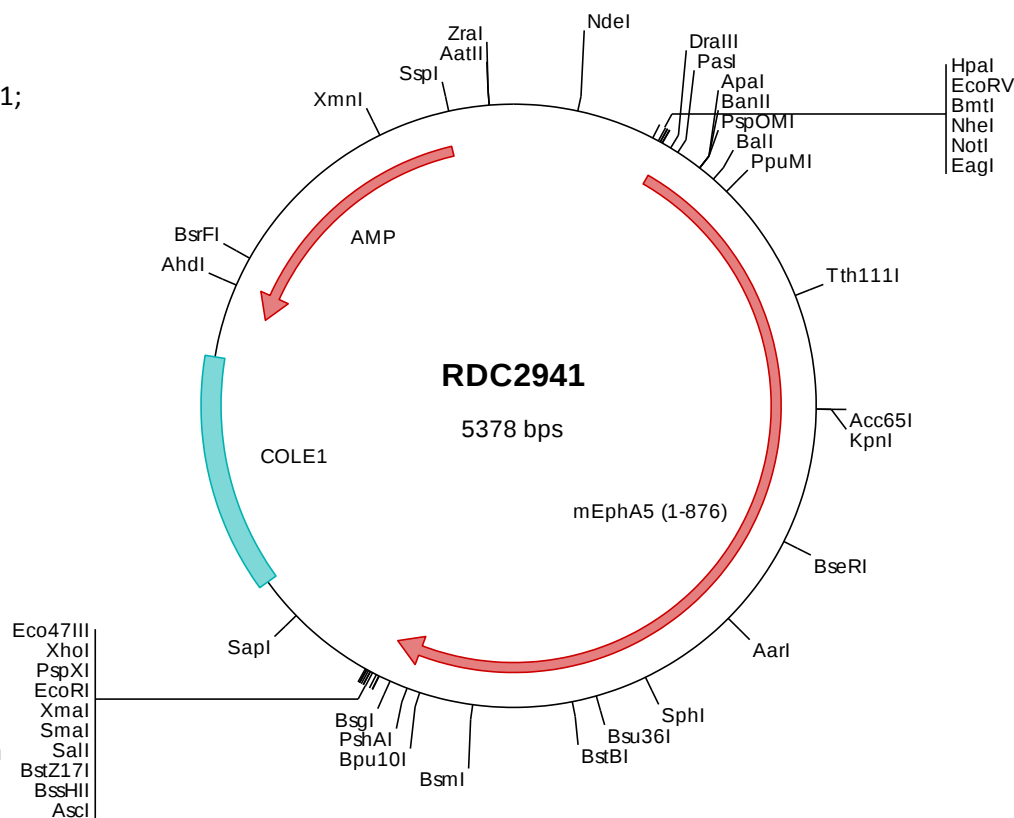
mEphA5 cDNA Plasmid

Epha5 Eph receptor A5 [*Mus musculus* (house mouse)]

Also known as: bsk; Cek7; Ehk1;
Els1; Hek7; Rek7; AI854630;
AW125296

Summary:

EphA5 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. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. EphA5 has been shown to bind ephrin-A5, ephrin-A1, ephrin-A2, ephrin-A3, and ephrin-A4.



> RDC2941 Plasmid DNA Sequence

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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgcccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta agcccgagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgtaatt
401  ggagacgtgt taacaagctt ggaatcgata tcgctagcgc ggccgcccacc atgaggggat ccgggaccacg cgggtcgggga caccgacgga cccaggggcag
501  aggtggcggcg gacgacacac ccccggtccc tgcacatctctg gcaggtctctc attcggccacc tctaaagggc cccctctgga cgtgccttct cttgtgtgctg
601  gcgctccgga cctcttttggc cagcccccagc aacgaagtga atttgttggg ttccggcact gtcattggggg accttgatg gattgctttt ccaaagaacg
701  ggtgggaaga gattggtgaa gttgatgaga actatgcccc catccacaca taccagtgtt gcaaagtatt ggaacagaaat cagaataatt ggctgttgac
801  cagttggatc tctaacgaag gtgcttcocag aatctttatt gaactcaagt ttactttaag ggactgcaac agccttctctg gaggactggg gacttgttaag
901  gagacattta acatgtatta ttttgaatca gatgatgaga atggggagaag tatcaaaagag aaccaataca tcaagattga taccatcgct gcagatgaga
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> RDC2941 Translated Insert Sequence

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201  vrdvgplskk gfyfafqdvq acialvsrvr yykkcpvsvr hlaifpdtit gadssqllev sgscvnhsvt ddpkmhcsa egewlpvigk cmckagyeek
301  ngtcqapspv tnvkkgkiak nsislswqep drpngiilei eikyfekdge tsytiikske tsitaeglkp asvyvfqira rtaaggyvfs rrfefettpv
401  svaasndsq ipiiavsvt gvillawmig flslsgccdc gcgrasslca vahpsliwrc gyskakqdp eekmhfhngh iklpqvrtiyi dptyedpbnq
501  avhefakeie ascitiervi gagefgevcs grlklpgkre lpvaiktllk gytekqrdf lgeasimgqf dhpniihleg vvtkskpvmi vteymengsl
601  dtflkknndg ftviqlvglm rgiaagmkyl sdmgyvhrdl aarnlilns lvckvdsdfl srveddpea aytrrggkip irwtapeaia frkftsssdv
701  wsygiwmvev vsygerpywe mtngdvikav eegyrlpspm dcpaalylqlm ldcwqkdrrs rpkfdvnm ldklirnpss lktlvnassr vstllaehgs
801  lgsgayrsvg ewleaikmgr yteifmengy ssmdavaqvt ledlrrlgvt lvghqkkims slqemkvqmv ngmvpv

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