

Specifications:

| | |
|----------------|------------------|
| Gene: | hFRK |
| Accession: | NP_002022.1 |
| Insert size: | 1531bp |
| 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

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|-------------|---|
| 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. |

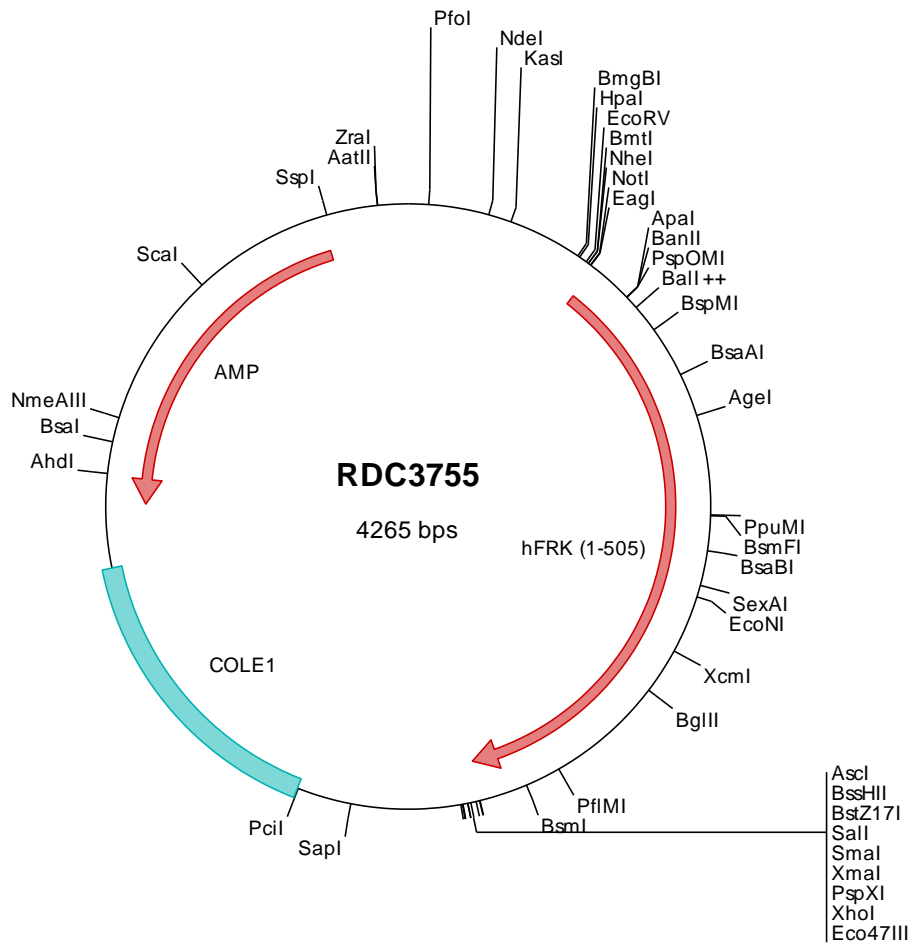
hFrk cDNA Plasmid

FRK fyn related Src family tyrosine kinase [*Homo sapiens* (human)]

Also known as: GTK; RAK; PTK5

Summary:

FRK belongs to the TYR family of protein kinases. It is a nuclear protein and may function during G1 and S phase of the cell cycle and suppress growth. FRK functions as a tumor suppressor by regulating the stability and function of PTEN.



> RDC3755 Plasmid DNA Sequence

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1 tcgcgcgctt cgggatgac ggtgaaaacc totgacacat gcagctcccg gagagcgtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgc attcgccatt caggctcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 tacgccagct ggcgaaaagg ggatgtgctg caagcggatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atgagcaaca tctgtcagag gctctgggag tacotagaac cttatotccc
501 ctgtttgtcc acggaggcag acaagtcaac cgtagtgaa aatccagggg ccctttgtct tccccagtc cagaggcatg gccactactt tggtgcttgg
601 tttgattacc aggctcggac tgctgaggac ttgagcttcc gagcagtgta caaaactcaa gtttctggaca ctttgcatga gggctgggtg tttgccagac
701 acttggagaa aagacgagat ggctccagtc agcaactaca aggctatatt ccttctaact acgtggctga ggacagaagc ctacaggcag agcgtggtt
801 ctttggagca atcggagat cagatgcaga gaaacaacta ttatattcag aaaacaagac cggttccttt ctaatacagag aaagtgaag ccaaaagga
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2001 ggggaattcc tcgagcgtc gtctctagct tggcgttaac atggtcatag ctgtttctcg tgtgaaattg ttatccgctc acaattccac acaacatacg
2101 agccgggaagc ataaagtgt aagcctgggg tgcttaatga gtgagctaac tcacattaat tgcgttgcgc tcaactgccc ctttccagtc gggaaacctg
2201 tcgtgcccagc tgcattaatg aatcggccaa cgcgcgggga gaggcgtgtt gcgtattggg cgtctctccg cttcctcgtc cactgactcg ctgcgctcgg
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4201 ctaagaaacc attattatca tgacattaac ctataaaaaat aggcgatca cgaggccctt tcgtc

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> RDC3755 Translated Insert Sequence

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1 msnicqrlwe ylepylpcls teadkstvte npgalcspsq qrhghyfval fdyqartaed lsfragdklq vldtlhegww farhlekrdd gssqqlggyi
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201 cvklgkpkck iqvpapfdls yktvdqweid rnsiqllkrl gsgqfgeuwe glwnnttpva vktlkpgsmd pndflreaqi mknlrhpkli qlyavctled
301 piyitelmr hgslyeylqn dtgskihltq qvdmaaqvas gmaylesrny ihrdlaarnv lvgehnykv adfglarvfk vnediyeser heiklpvkw
401 apeairsnkf siksdvwsfg illyeiityg kmpysgmtga qviqmlaqny rlpqpsncpq qfynimlecw naepkerptf etlrwkledy fetdssysda
501 nnfir

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