

Specifications:

Gene:	mTacstd2
Accession:	NP_064431.2
Insert size:	967bp
Concentration:	10µg at 0.2µg/µL

mTROP-2 cDNA Plasmid

**Tacstd2 tumor-associated
calcium signal transducer 2**
[*Mus musculus* (house mouse)]

Also known as: Ly97; EGP-1;
TROP2; C80403; GA733-1

Summary:

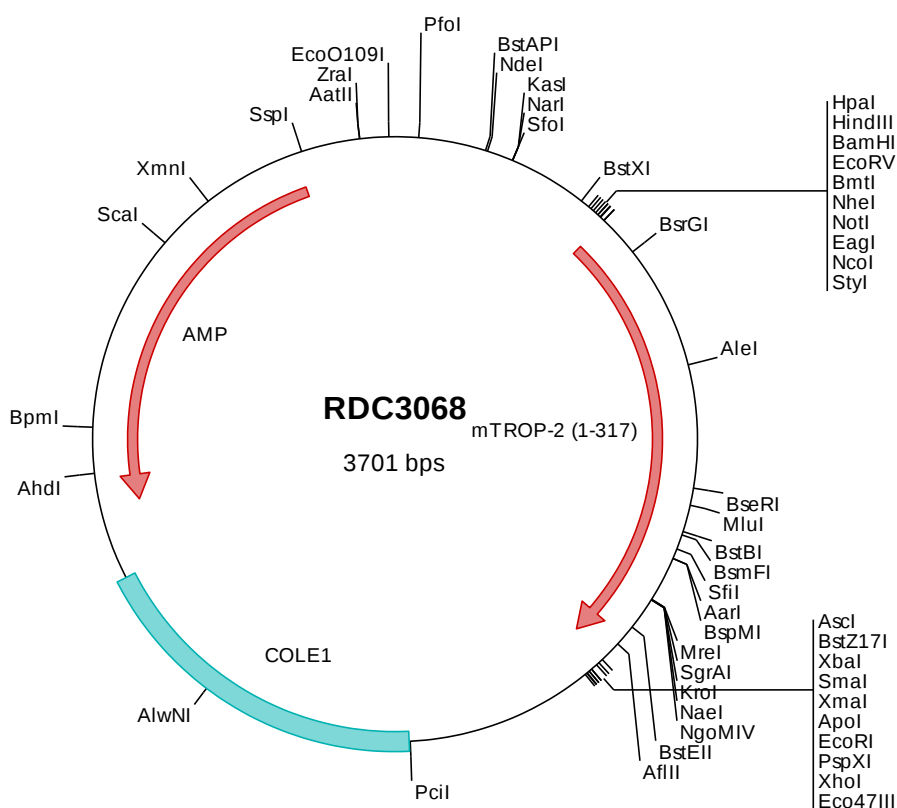
TROP-2 is a carcinoma-associated antigen. It is a cell surface receptor that transduces calcium signals. Mutations of TROP-2 have been associated with gelatinous drop-like corneal dystrophy.

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.



> RDC3068 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggcgaggg gcttggatct agcacgcgtg ctactgttac tgctggcgat
501  ggcgaccgcg ttttgcaagg ctacagagcaa ctgtacatgc cccaccaaca agatgacggt ctgcgacaca aatggcccgag gccgggtctg ccaatgtcgg
601  gcaatgggct cacagggtatt ggtcgactgc tccacgctaa cttccaagtg cctgtgtctc aaggcgcgca tgagcgcccg gaagagcgga cgcagcctgg
701  tgatgccgag cgaagcagcg ataactggaca acgatggcct ctacgaccgg gagtgtgacg acaaggggcg cttcaaggca cgccagtgcg accagacctc
801  ggtgtgctgg tcgtaaaact cgttggcgct gcgcgcgacg gacaagggag accaaagcct gcgctgcgac gaagtgtgtg gaacccacca catctcatt
901  gagtgtgcgc accgcccgac cgaccgagcc ttcaaccact ctgacctaga ctcgagctg cggcggtctc tccaagaacg ctacaagctg caccaccagt
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1501 aaattgttat ccgctcaca tttccacaaa catcacgacc ggaagcataa agtgtaaagc ctgggggtgc taatgagtga gctaactcac attaatgtcg
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2401 aaccaccgct ggtagcgggt gtttttttgt ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa gaagatcctt tgatcttttc tacggggtct
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3601 tccgcgcaca tttcccggaa aagtgccacc tgacgtctaa gaaaccatta ttatcatgac attaacctat aaaaataggc gtatcacgag gcccttctgt
3701 c

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> RDC3068 Translated Insert Sequence

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101  ecddkgrfka rqcncqtsvcw cvnsvgvrrt dkgdqlslrce evvrthhili elhrhptdra fnhsdldsel rrlfqerykl hpsflsavhy eeptiqielr
201  qnasqkglrd vdiadaayyf erdikgeslf mgrrgldvqv rgeplhvert liyyldexpp qfsmkrltag viaviavsv avvagvvvlv vtkrrksgky
301  kkvelkelge mrsepsl

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