

Specifications:

Gene:	mTLR6
Accession:	NP_035734
Insert size:	2433bp
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.

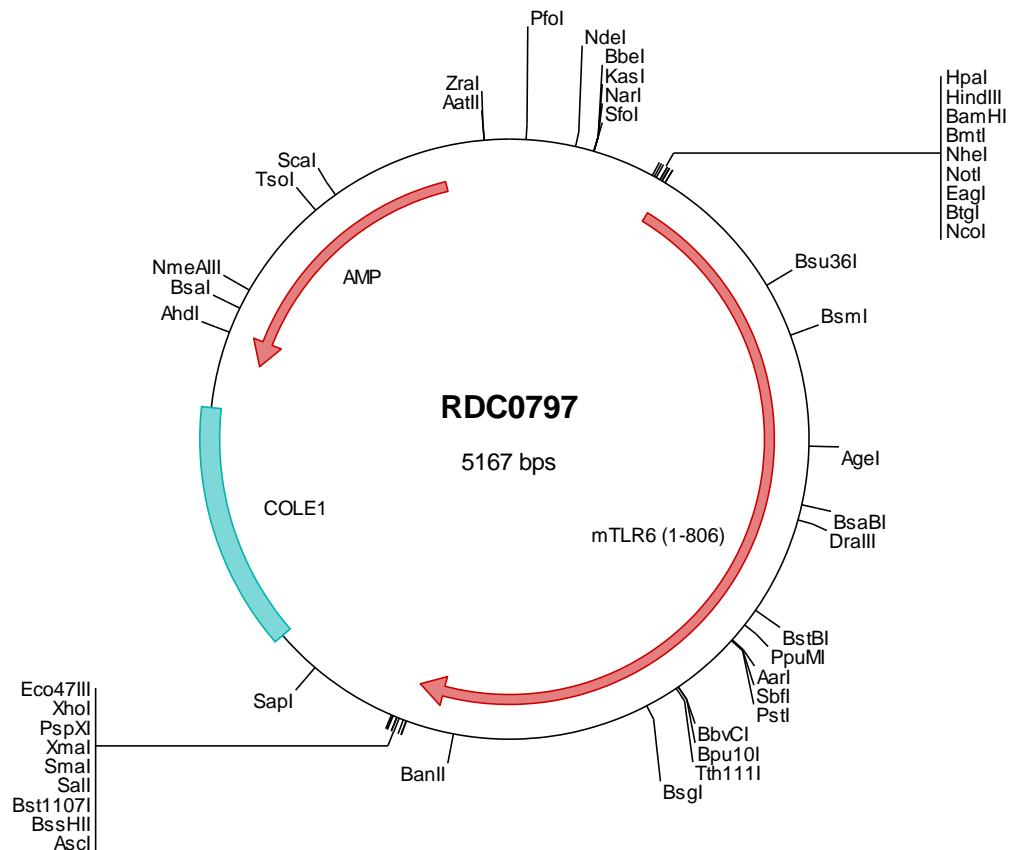
mTLR6 cDNA Plasmid

Tlr6 toll-like receptor 6 [*Mus musculus* (house mouse)]

Also known as:

Summary:

TLRs, including TLR6, are a family of receptors that mediate immune system pathogen recognition. TLR6 plays a pivotal role in the development and severity of hypersensitivity pneumonitis via its role in IL-17A production. TLR6 activation is critical for IL-23 production and Th17 responses, which both regulate the allergic inflammatory response in chronic fungal-induced asthma. TLR6 activity may be important in the treatment of clinical asthma.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0797 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatagtcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcgcaatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt gattccgata tcgctagcgc gggcggccacc atggtaaaagt cactgtggga tagcctctgc aacatgagcc aagacagaaa
501 acccatcgtg gggagtttcc actttgtttg cgccctggcc ttaatagtgc gaagcatgac cccgttctct aatgaacttg agtctatggt agactattca
601 aacaggaacc ttactcatgt ccccaaaagc ctgccacca gaacaaaagc cctgagtctg tctcaaaact ctatatctga gcttcggatg cctgatataca
701 gctttctgtc agagctgaga gttctgagac tctcccacaa caggatacgg agccttgatt tccatgtatt cttgttcaat caggacttag aatacctgga
801 tgtctcacac aatcggttgc aaaacatctc ttgctgccc atggcgagcc tgaggcatct agaccttca ttaaatgact tcgaatgact gctgtgtgtg
901 aaggaaattg gcaacctgac gaagctgact ttctgggat taagtgcgc aaagtccga caactggatc tgcctccagt tgcctacttg catctaatgct
1001 gcattctctt ggacttagtg agttatcata taaaaggcgg gaaacagaa agtcttcaga tccccaatc caccgttctc ctttgggtct ttcacccaaa
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2601 catccagagt gtaggtggcc attatgaact ctattttgcc catcataact tcttccatga aggtctgtat aacttaatcc tcatctgtc ggaaccattg
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2901 ccggggaatt cctcgagcgc tctgtctag cttggcgtaa tcaatggcat agctgtttcc tgtgtgaaat tgttatccc tcacaattcc acacaacata
3001 cgagccgcaa gcataaagtg taaagcctgg ggtgctaat gatgagccta actcacata atttgcgttc gctcactgcc cgctttccag tcgggaaacc
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> RDC0797 Translated Insert Sequence

1 mvkslwdslc nmsqdrk piv gsfhfvcala livgsmtpfs nelesmvdys nrlnthvpkd lpprtkalsl sqnsiselrm pdisflselr vlrlshnrir
101 sldfhvflfn qdleyldvsh nrlgnisccp maslrlhldf fndfdvlpvc kefgnltklt flglsaakfr qldllpvahl hlscilldlv syhikggete
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301 eridreefty setalkslmi ehvknqvflf skealysvfa emnikmlsis dtpfihmvp spssstfln ftqnvftdsv fgqgstlklr qlilqrngrl
401 knffkvalmt kmssletld vslnslnsha ydrtcawaes ilvlnlssnm ltgsvfrclp pkvkvlldhn nrimsipkv thlqalqeln vasnsltdlp
501 gcgafsslsv lvidhnsvsh psedffqscq nirsלטagnn pfgctcelrd fvkniwwar evvegwpsdy rcdypesskg talrdfhmsp lscdtvlltv
601 tigatmlvla vtgafllclyf dlpyvvrmlc qwtqtrhrar hipleelqrn lqfhafvsys ehdsawkne llpnlekddi rvclhernfv pgksivenii
701 nfieksykai fvlspfhigs ewchelylfa hnlflfhegsd nlilillepi lqgnipsryh klralmaqrt ylewpstekgk rglfwanlra sfimklalvn
801 eddvkt