

Product datasheet for **MC202752**

Rpl13a (NM_009438) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpl13a (NM_009438) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rpl13a
Synonyms:	1810026N22Rik; Tstap198-7; tum-antigen
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC082289 sequence for NM_009438 GCCGAAGATGGCGGAGGGGCAGGTTCTGGTATTGGATGGCCGAGGCCATCTTCTTGGCCGCTGGCGGCC ATTGTGGCCAAGCAGGTACTTCTGGCCGGAAGGTGGTGGTCGTACGCTGTGAAGGCATCAACATTTCTG GAAACTTCTACAGAAACAAGTTAAAGTATCTGGCCTTTCTCCGGAAGCGGATGAATACCAACCCCTCCCG AGGCCCTTACCCTTCCGAGCCCCAGCCGCAATTTCTGGCGCACTGTGCGAGGCATGCTGCCCCACAAG ACCAAGAGAGGCCAGGCTGCCCTGGAGCGCCTCAAGGTGTTGGATGGGATCCCTCCACCCTATGACAAGA AAAAGCGGATGGTGGTCCCTGCTGCTCTCAAGGTTGTTTCGGCTGAAGCCTACCAGAAAAGTTTGCTTACCT GGGGCGTCTGGCGCATGAGGTCGGGTGGAAGTACCAGGCAGTGACAGCCACTCTGGAGGAGAAAACGGGAA GAAAAGGCCAAGATGCACTATCGGAAGAAGAAGCAGATCTTGAGGTTACGGAAACAGGCAGAAAAGAATG TGGAGAAGAAAATCTGCAAGTTCACAGAGGTCCTCAAGACCAACGGACTCTGGTGTGAACCAATAAAG ACTGTTTGCCTCAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_009438
Insert Size:	612 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC082289](#), [AAH82289](#)

RefSeq Size: 658 bp

RefSeq ORF: 612 bp

Locus ID: 22121

UniProt ID: [P19253](#)

Cytogenetics: 7 29.14 cM

Gene Summary: Associated with ribosomes but is not required for canonical ribosome function and has extra-ribosomal functions (By similarity). Component of the GAIT (gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma activation and subsequent phosphorylation dissociates from the ribosome and assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3' UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation. In the GAIT complex interacts with m7G cap-bound eIF4G at or near the eIF3-binding site and blocks the recruitment of the 43S ribosomal complex.[UniProtKB/Swiss-Prot Function]