

Product datasheet for **MC206637**

Lage3 (BC027305) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lage3 (BC027305) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lage3
Synonyms:	Itba2, Eso3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC027305 GCAGAGGCGGCGGCTGGTAATGCGAAGGTGGTTGAAAGGAGGAACAGCAGCAGACATGCAGACAGCAC ACACAGGTTTAAAGCCACACTGCAGATGGCGCCGATGGTCAGACTAGCCGCTGTTGCCTGGTAATGCAGG CACAAAGGCAGTTATTCCAGTGGAGCGCACCCCTGTTGGAAGAGCACTGGAAGCCTCCCGAAATCCCAGC AAACGCATCGTGCTTTAACCCAAAGGCCGTGGAAGCCGACATCACAGATTCGCCCTCTTCGTGCCTTTCC CGACCTCTTTGGAGGCAGAAATCGCCTGTGGTCCCTAGTTCAGATGTCGAACCACATCGAGGACTGGT AGGGAAGGAGCTTAAAGTGAGCGGCTGCATGCTGGAGGTACGCTGGATCTCGGAAGATTCTCGCCTCCTC CGACTTTCATCATCACTTTCTTGACCAGCTTCCCTAGTGGTGAACACCATACAGCTCTTTGGGCCCC CAGTTTCTGTAAAGCCTGGCTGGAGACCCATGTCTGACCTTATCTCCGTCCTCCTAAGCAATACAAT TTTCCCTAGGGAAAAGATTCTAGAAATAGTAACTACTACATAAAATGTGGGGCCTAATATTTTTTTCCTG ATTTGGTCTCAGGCACTTAGGAGCCATTTGGTCTGGTCTTCAATGTTTGTGCTGAAGAAAATAAAGC TATGTTGCTAATCTGCAA AAA
Restriction Sites:	EcoRI-NotI
ACCN:	BC027305
Insert Size:	447 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: [BC027305](#), [AAH27305](#)

RefSeq Size: 797 bp

RefSeq ORF: 447 bp

Locus ID: 66192

Cytogenetics: X A7.3

Gene Summary: Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. LAGE3 functions as a dimerization module for the complex.[UniProtKB/Swiss-Prot Function]