

Product datasheet for **RN203439**

Lingo4 (NM_001109189) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lingo4 (NM_001109189) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lingo4
Synonyms:	RGD1562025
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203439 representing NM_001109189
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGACAGACCCAGCCCTGGAGAGATGCAGCGCCCAACTTGATGCCTTCCCCAGCTTCTCCGGCCTC
 AGGGGATGGACGCAGCCACTGCCCCAAAGCAAGCCTGGCTCCTGTGGTCCCCACTCCTTTTCCTGCTCCT
 CCTGCCTGGGGGAGCATCAGTAGCTGCCCCACTTTGTGTGACTGCACCTCCAGACCCGGGCAGTACTC
 TGTGCCACAGGCGACTGGACACTGTCCCTGGAGGGCTTCCACTGGACACAGAAGTCTGGATTTGAGTG
 GGAACCGCTGTGGGGCTTCAGCGTGGCATGCTCTCCGACTGGGCCAGCTCCAAGAACTGGACCTCAG
 CTACAACAGCTCTCACCCCTTGAGCCTGGGGCTTTCATGGCCTACAGAGTCTACTCACCTGAGGCTG
 CAGGGCAATCGACTGAGAATTGTGGTCTGGGATATTCTCAGGCCTGTCTGCCCTCAGCTGCTGGACC
 TCCGCCTCAATCAAATTGCTCTTTCTAGATGGAGCCTTGGTGAGCTAGGCAGCTCCAGCAGCTGGA
 GGTTGGAGACAATCACCTGGTGTGTGTAGCTCCGGGAGCATTTTCAGGTCTGGCCAACTAAGTACCATC
 ACTCTGGAACGGTGCAACCTCAGCACAGTGCCTGGCCTAGCTCTTGCCAGCTCCAGCAGTCTAGTCTC
 TTAGACTTCGAGAACTAGATATTGAGAGGCTGCCTCTGGGGCACTTCGAGGGCTAGGGCACTAAAGGA
 GCTGGAGATCCACCACTGGCCATCTCTGGAGGCCTGGACCCAGGGAGCCTGGTTGGCCTCAATCTGAGC
 AGCCTGGCCATCACCACTGCAATCTGAGCTCAGTACCCTTCCAAGCACTACCACTTGAGCTTCTCTC
 AAGTCTTGGATCTATCTCAGAATCTATATCAGCCATCCAGCCCGGAGGCTCAGCCCCCTGGTACGGCT
 CCAGGAGCTCAGACTGTGGGGGCTGCCTCACCTCCATCGCTGCCCATGCCTTCCAGGCCTGACTGCC
 TTCCACTTACTGGATGTAGCAGACAATGCTCTTCAGACCCTAGAGGAAACAGCCTTCCCTTCTCCAGACA
 AACTGGTCACCTTGAGGCTGTCTGGTAACCCCTAACCTGTGATTGCCGCTCCTCTGGCTGCTCCGCT
 TCGCCGGCGCCTGGACTTTGGCACATCACCCCTGCTTGTGTGGCCCCAGCATGTCCAAGGGAAGAAC
 CTAAGGGAATTTTCAGACATTCTGCCTCCAGGCCACTTCACTTGCAAACCGGCCCTGATCCGAAAGTCAG
 GGCCTCGATGGGTCAATTGCAGAGGAGGGCGGGCATGCTGTTTTCTCTGCTCTGGAGATGGGGATCCAGC
 CCCCAGTGTTCCTGGATGAGACCTCAGGGATCTTGGCTAGGGAGGGTTGGGAGGTAAGGGTGCTAGAG
 GATGGTACGCTGGAGATCCGCTCGGTGCAGTACGGGACAGGGGGCCTACGTCTGTGTGGTCAGCAATG
 TTGCTGGGAATGACTCTCTGAGAACCTGGCTGGAAGTTATCCAAGTTAGCCACCAATGGCACTCTGTC
 TGACCCCAACGTCACTATGCCGGGATCCAGGGCCTTTCTCTCTGGACAGCAGAGGTGTAGCTATGGTG
 CTAGCAGTGGGCTTCTCCCCTTCTCACCTCAGTGACCTTTGCTTTGGTCTGATTGCTCTTTGGAGTA
 AGGGCAAGGGCCGGGTCAAGCACCATGACTTTTGATTTTGTGGCCCTCGGCCCTCTGGGACAAGAA
 CTCTGGGGTAATCGGGTCACTGCCAAGTTATT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3043_b11.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001109189

Insert Size: 1857 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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).
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:	<u>NM_001109189.1, NP_001102659.1</u>
RefSeq Size:	6530 bp
RefSeq ORF:	1857 bp
Locus ID:	499668
Cytogenetics:	2q34