

Product datasheet for **RG215621**

LINGO4 (NM_001004432) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LINGO4
Synonyms:	DAAT9248; LRRN6D; PRO34002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG215621 representing NM_001004432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATGCAGCCACAGCTCCAAAGCAAGCCTGGCCCCATGGCCCCGCTCCTTTCTCCTCCTCTAC
 CTGGAGGGAGCGGTGGCAGCTGCCCTGCTGTGTGACTGCACCTCCAGCCCCAGGCTGTGCTCTGTGG
 CCACAGGCAACTGGAGGCTGTACCTGGAGGACTCCCACTGGACACTGAGCTCCTGGACCTGAGTGGGAAC
 CGCCTGTGGGGCTCCAGCAGGGAATGTCTCCCGCTGAGCCTGCTCCAGGAATTGGACCTCAGCTACA
 ACCAGCTCTCAACCCTTGAGCCTGGGGCTTCCATGGCCTACAAAGCCTACTCACCCTGAGGCTGCAGGG
 CAATCGGCTCAGAATCATGGGCTGGGGTCTTCTCAGGCCTCTGCTGCTGACCCCTGCTGGACCTCCGC
 CTCAACCAGATTGTTCTCTTCTAGATGGAGCTTTTGGGGAGCTAGGCAGCCTCCAGAAGCTGGAGGTTG
 GGGACAACCACTGGTATTTGTGGCTCCGGGGGCTTTCAGGGCTAGCCAAGTTGAGCACCTCACCCT
 GGAGCGCTGCAACCTCAGCACAGTGCCTGGCCTAGCCCTTGCCCGTCTCCCGCACTAGTGGCCCTAAGG
 CTTAGAGAATGGATATTGGGAGGCTGCCAGCTGGGGCCCTGCGGGGCTGGGGCAGCTCAAGGAGCTGG
 AGATCCACCTCTGGCCATCTCTGGAGGCTCTGGACCCTGGGAGCCTGGTTGGGCTCAATCTCAGCAGCCT
 GGCCATCACTCGCTGAATCTGAGCTCGGTGCCCTTCCAAGCACTGTACCACCTCAGCTTCTCAGGGTC
 CTGGATCTGTCCAGAATCCCATCTCAGCCATCCAGCCGAAGGCTCAGCCCCCTGGTGGGCTCCAGG
 AGCTACGCCTGTCAAGGGCATGCCTCACCTCCATTGCTGCCATGCCTTCCATGGCTTGACTGCCTTCCA
 CCTCTGGATGTGGCAGATAACGCCCTTCAGACACTAGAGGAAACAGCTTTCCCTTCTCCAGACAACTG
 GTCACCTTGAGGCTGTCTGGCAACCCCTAACCTGTGACTGCCGCTCCTCTGGCTGCTCCGGCTCCGCC
 GCCACCTGGACTTTGGCATGTCCCCCTGCCTGTGCTGGCCCCCATCATGTCCAGGGGAAGAGCCTGAA
 GGAGTTTTTCAGACATCCTGCCTCCAGGGCACTTCACCTGCAAACAGCCCTGATCCGAAAGTCGGGGCCT
 CGATGGGTCAATTGCAGAGGAGGGCGGCATGCGGTTTTCTCTGCTCTGGAGATGGAGACCCAGCCCCCA
 CTGTCTCTGGATGAGGCTCATGGGGCTTGGCTGGGAGGCTGGGAGAGTAAAGGTCCTAGAGGATGG
 GACACTGGAGATCCGCTCAGTGCAGTACGGGACAGAGGGCTATGTCTGTGTTAGCAATGTGCT
 GGAATGACTCCCTGAGGACCTGGCTGGAAGTATCCAGGTGGAACCAACAAACGGCACACTTCTGACC
 CCAACATCACCGTCCAGGGATCCAGGGCCTTTTTTCTGGATAGCAGAGGTGTGGCCATGGTGTGGC
 AGTCGGCTTCTCCCTTCTCACCTCAGTGACCTCTGCTTTGGCCTGATTGCCCTTTGGAGCAAGGGC
 AAAGGTCGGGTCAAACATCACATGACCTTTGACTTTGTGGCACCTCGGCCCTCTGGGATAAAACTCTG
 GGGTAACCGGCTCACTGCCAAGCTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG215621 representing NM_001004432
 Red=Cloning site Green=Tags(s)

MDAATAPKQAWPPWPLLFLLLLPGSGSGSPAVCDCTSQPQAVLCGHRQLEAVPGGLPLDTELLDL SGN
 RLWGLQQGML SRLSLLQELDL SYNQLSTLEPGAFHGLQSLLTLRLQGNRLRIMGPGVFSGLSALTLLDLR
 LNQIVLFLDGAFGELGSLQKLEVGDNHLVFPAGAFAGLAKLSTLTLCNLSVPGALALARPALVALR
 LRELDIGRLPAGALRGLQQLKELEIHLWPSLEALDPGSLVGLNLSLAITRCNLSSVPFQALYHLSFLRV
 LDLSQNPISAIPARRLSPLVRLQELRLSGACLTSIAAHAFHGLTAFHLLDVADNALQTLEETAFPSDKL
 VTLRLSGNPLTDCRLLWLLRLRRHLDGMSPPACAGPHHVQGKSLKEFSDILPPGHFTCKPALIRKSGP
 RWVIAEEGGHAFVSCSGDGPAPTVMRPHGAWLGRAGRVRVLEDGTL EIRSVQLRDRGAYVCVVSNA
 GNDSLRTWLEVIQVEPPNGTLDPNITVPGIPGPFLLDSRGVAMVLAVGFLPFLTSTVLCFGLIALWSKG
 KGRVKHMTFDFVAPRPSGDKNSGGNRVTAKLF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001004432

ORF Size: 1779 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

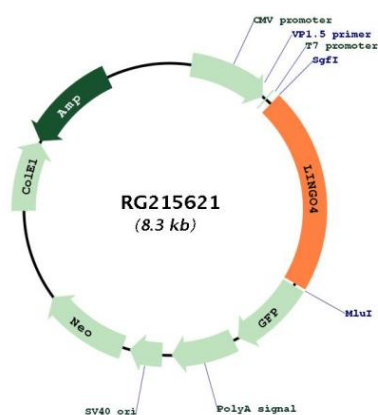
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store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

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001004432.4](#)

RefSeq Size:	2609 bp
RefSeq ORF:	1782 bp
Locus ID:	339398
UniProt ID:	Q6UY18
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome, Transmembrane

Product images:



Circular map for RG215621