

Product datasheet for MR211657

Lrig3 (NM_177152) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrig3 (NM_177152) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrig3
Synonyms:	9030421L11Rik; 9130004I02Rik; 9430095K15Rik; mKIAA3016
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211657 representing NM_177152 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTGCTCCCGGACTCCGAGCGGCCACCGCGGCGCTGGGACTGCTGCTGTGCGCGGGGCTGGGGCGCG
CGGGCCCCGGGAAGCGGAGGCCACGGGGCTCCCGGCAGCTCTTGGACGACGATGCGCAGCGCCCGTG
TCCAGCCGCTGCCACTGCCTCGGGACCTGCTGGACTGCAGCCGGCGGGCTGGTTCGCCTTCCCGAT
CCTCTCCCGGCTGGGTACACGGCTGGACCTGAGTCACAACAGATTATCTTTTATCCAGACGAGTCCC
TGAGCCACCTTCAAAGCCTTCAAGAAGTGAAGCTGAACAACAATGAATTAGAGACCATTCCAACCTGGG
ATCCATCTCTGCAAATATTAGACAGCTATCCTTGGCTGGGAACGCCATCGACAAAATCCTCCCTGAACAG
CTGGAAGCCTTTCAGTCCCTTGAGACTTTGGACCTCAGCAACAATAATATTTTCAGAACTGAGAACTGCCT
TTCCACCCTTACAACCAAGTATCTGTATATCAATAACAACCGAGTGTGCTCCATGGAACAGGGTATTT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211657 representing NM_177152
 Red=Cloning site Green=Tags(s)

MGAPGLRAATAALGLLLCAGLGRAGPAGSGGHGAPGQLLDDDAQRPCPAACHCLGDLLDCSRRRLVRLPD
 PLPAWVTRLDL SHNRLSFIQTSSL SHLQSLQEVKLNNELETIPNLGSI SANIRQLSLAGNAIDKILPEQ
 LEAFQSLETLDL SNNNISELRTAF PPLQLKYL YINNNRVSSMEPGYFDNLASTLLVLKLNRRNRI SAIPPK
 MFKLPQLQHLELNRNKIKNVDGLTFQGLGALKSLKMQRNGVTKLMDGAFWGLSNMEVLQLDHNHLTEITK
 GWLYGLLMLRELHLSQNAINRISPDAWEFCQKLSLDLTFNHL SRLDDSSFLGLSLLNALHIGNNKVSYI
 ADCAFRGLTSLKTLDLRNEISWTIEDMSGAFSGLDRLRQLILQGNRIRSIKKAFAGLDTEHLDLSGN
 AIMSLSQNAFSQMKKLQQLHLNTSSLLCDCQLRWLPQWVAENNFQSFVNASCAHPQLLKGRSIFTVSPDG
 FVCDDFPKPQITVQPETQSAIKGSDVSFTCSAASSDSPMTFAWKDNEALQDAEMENY AHLRAQGGELM
 EYTTILRLRNVEFTSEGKYQCVISNHFSSYSVKAKLTINMLPSFTKTPMDLTIRAGAMARLECAAVGHP
 APQIAWQKDGDTDFPAARERRMHVMPEDDVFFIVDKIEDIGVYSCTA QNSAGSVSANATLVLETPSFL
 RPLLDRTVTKGETAVLQCIAGGSPPRLNWKDDSPLVTERHFFAAGNQLLII VSDVSDAGKYTCEMS
 NTLGTERGNVRLSVIPTPTCDSPHMTAPSLDGDGWATVGVVIIAVVCCVVGTSLVVVVVIYHTRRRNEDC
 SITNTDETNL PADIPSYLSSQGLADRQGYISSESGSHHQFVTS SGGGFFLPQHGDGAGTCHFDSSSEAD
 VEAASDPFLCPFVGSTGPVYLQGNLYSPDPFEVYLP GCS SDRPTALMDHCESYVKQDRFSCARPSEEP
 ERSLSIPWPHSRKLDSTYPPNEGHTVQTLCLNKSSVDFSTGPEPGSATSSNSFMGTGFKPLRRPHLDA
 FSSAQPDPDCQPRPCHGKSLSSPELDSESEENDKERTDFREENHRCTYQQIFHTYRTPDCQPCDSDT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9011_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177152

ORF Size: 3351 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.

RefSeq: [NM_177152.5](#), [NP_796126.4](#)

RefSeq Size: 4050 bp

RefSeq ORF: 3354 bp

Locus ID: 320398

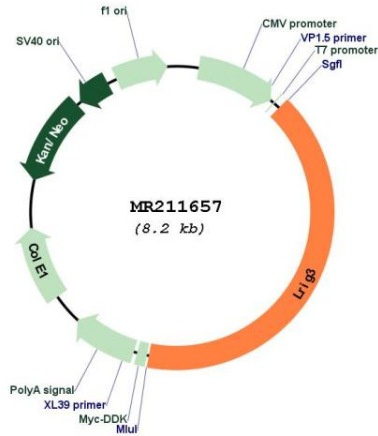
UniProt ID: Q6P1C6

Cytogenetics: 10 D3

MW: 123.1 kDa

Gene Summary: Plays a role in craniofacial and inner ear morphogenesis during embryonic development. Acts within the otic vesicle epithelium to control formation of the lateral semicircular canal in the inner ear, possibly by restricting the expression of NTN1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211657