

## Product datasheet for MR231815

### Lrrc7 (NM\_001291452) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc7 (NM_001291452) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrc7
Synonyms:	AK122498; densin; mKIAA1365
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231815 representing NM_001291452 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGCAGTGCTTGGAGATGACCACCAAACGGAAGCTCATTGGCCGCTGGTGCCATGCCGCTGCTCCGTG  
GAGAGGAAGAGATCATCTCAGTGTGGATTACTCCACTGCAGCCTGCAACAGGTGCCAAGGAGGTCTT  
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GACAGGGGCCAGCGTGGGATTACTCTCCAACCTGCCAGGCTGTCTGGCGATTGCTGCACACCATGGGCCA  
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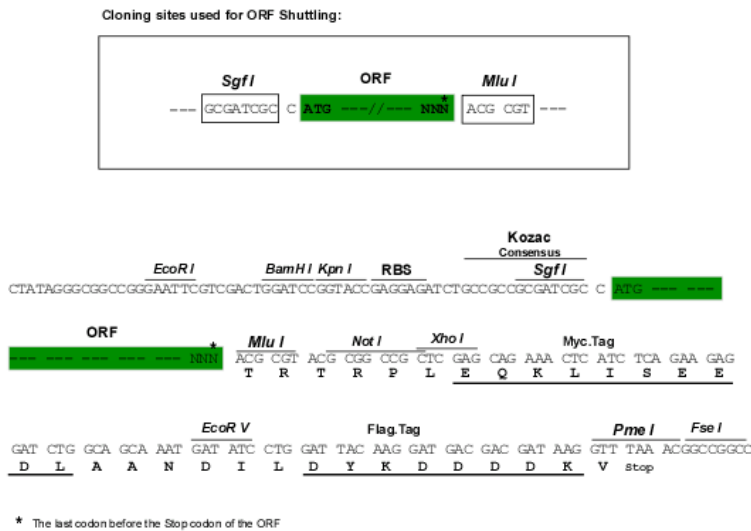
Protein Sequence: >MR231815 representing NM\_001291452  
 Red=Cloning site Green=Tags(s)

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 GSHERPDKFLGPEHGMSMSRSQSV PMLDDEMLMYGSSKPPQKASMTKKVYQFDQSFNPQGA VEVKA  
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 AGSHIQTLMGSSQLQHSREQQPYEGNINKVTIQQFSPLPIQIPSSQATRGPQGRCLIQTKGQRSMDG  
 YPEQFCVRIEKNPGLGFSISGGISGQGNPFKPSDKGIFVTRVQPDGPASNLLQPGDKILQANGHSFVHME  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001291452

ORF Size: 4485 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001291452.2</a>
<b>RefSeq Size:</b>	7321 bp
<b>RefSeq ORF:</b>	4488 bp
<b>Locus ID:</b>	242274
<b>UniProt ID:</b>	<a href="#">Q80TE7</a>
<b>Cytogenetics:</b>	3 H4
<b>MW:</b>	168 kDa
<b>Gene Summary:</b>	Required for normal synaptic spine architecture and function. Necessary for DISC1 and GRM5 localization to postsynaptic density complexes and for both N-methyl D-aspartate receptor-dependent and metabotropic glutamate receptor-dependent long term depression. [UniProtKB/Swiss-Prot Function]

