

## Product datasheet for SC120426

### LUZP1 (NM\_033631) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LUZP1 (NM_033631) Human Untagged Clone
Tag:	Tag Free
Symbol:	LUZP1
Synonyms:	LUZP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120426 sequence for NM_033631 edited (data generated by NextGen Sequencing)

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ATGGCCGAATTTACAAGCTACAAGGAGACGGCCTCCAGCCGCCACTTGCGGTTTAAAGCTA
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CTGAATGAGGAGAGAAAATCTGACCAAGAAAATCTCCTCTGAGCTGAAAATGCTCAGAGTC
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AAGGGAAAAGTGGAGAAGACAACACGAACGTTTGTGACACCACCCATGGATCTGTTCCC  
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 GAGGTGCTTACCCGTCGGAATCGGGTAGGAGACCCATCACTGTGCGAGCCTGGAACCAC  
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 AACTCCCTGGATCCGTCTGAACTGCCTGGGAAGCAGGGGCTGCCAGAGTCTGGGCGAGTA  
 CGGGCCGAGGAACGATTACGGCCAACCAGGCCCTGTGCTGAGGAGAACTGA

Clone variation with respect to NM\_033631.3  
 900 a=>g;1372 g=>a;1381 c=>a;1494 c=>t;2602 g=>a

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_033631 unedited  
 TTTCCCGCCCGTTGNCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCA  
 GAGCTCATTTAGGTGACACTATAGAATAACAAGCTACTTGTCTTTTTGCAGCGGCCGCGA  
 ATTCGGCACGAGGGCAGAGGGGACATTGAATAAACCTGAGTATTGTGTGCCTGTATTTG  
 ACTGCGACCTATCAGATGAGATCAGGTCAAGAGACAACCTGCCTTTGAAAGAGAGTGAGTG  
 ACTGTTTTCCAAAACAGCAAGCATAGGGAGAGCCCGGGAAGTATTGACGGAAGCTTGAA  
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 GGCAGTAGACATGGCCGAATTTACAAGCTACAAGGAGACGGCCTCCAGCCGCCACTTGCG  
 GTTTAAGCTACAGAGTCTAAGCCGCCGCTTGTGAGTTGGAGGAAGCCACAAAAACCT  
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 CAAGACGAGGAAAAATTAGAGAGCAGAGGATCTGTGTCGTCTGATGAAGGAGAAAACCTTNGA  
 GAGGAAGAAAAACTCACCCCGGAGCTGAATCTGAGATTGAGCGGCTTCAGAAACGAATGG  
 CTGAATTAGAGAGCTAGAAGAGCCTTTACAGCAGGAGTAGAATGACTGTACCCAGCTGTGT  
 CTGAGCCCTGATGANGAGAGAAATCTGACCCAGAANAATCTCTCTGAGCTGGNAATGCTC  
 ANAGTCAAAGTGAAGACTAGATTCTTCTGAGACCGNCTGGATAAACTGAG

<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_033631 unedited            NNNTTAGGTTTGACTATGNNACCGCGCCGCATAGNGATCGATTTTTTTTTTTTTTTTTTTTT            TTCTTTACGGAAACCAG            GGAGCTTTATTGGTTACATATTGGACTGGAAAACCAACAAAAAGCATTCCCCCAAAGA            TACATGCAAACAGGCAGCTCCAATGAAACACATGCCCAAGGAGCCCTGAACCACTGGT            TTGCCCTGGTTTTCAACGACAGGTTCTGGCCCCCTTGGTCCCATGCTTGGAGCTGCTGCA            CCTAAACTCTAAGGGGCAGGGGTGAAAAAACCACAAACACCTGCCTGAACAAATAGGTGT            GGACCAACAGGGTGCCCCAACAAGGGGCCTATAATGCAATAACAGTTTATTTGAGGGC            TACTTTTTTAACCCCTCAATCTTTAAAATACAAAAAATAAACTTTATTCTCTTAAAAA            AACATTCCCTTCAAATATGTTCTGAGCTGGGAAACAACTGGGAAAAAGCCCCGGAG            CTTTTTTGAACTCATCCCCCTGGGATTAACATCCCGAAACCTAAAAACCAGGCCCAA            AAAAAAATGGGGGGCGGAGGAAGAACCCCCCGGTGATACCTCCCAAACCAAAATA            TCCCCTACTATTATAGATGGGAAACCGGGGAACCTTAAAAACCCATTGGGGCCCC            CTAAGAATCATCTTTTTAAAAGAACTTTTTTAAAAACAGGGAAATGGGGGTTC            AAAGACAAAGGCCTCCCCAGGGTGCCACCCCAAGGAAATTAACCCCTGGGGGAAAA            AAAAACCCCTTAACCAAGCGGGGTTTTAAAGGGTTTCTCCATTCTGAA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_033631
<b>Insert Size:</b>	6000 bp
<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_033631.2</a></u> , <u><a href="#">NP_361013.2</a></u>
<b>RefSeq Size:</b>	7555 bp
<b>RefSeq ORF:</b>	3231 bp
<b>Locus ID:</b>	7798
<b>UniProt ID:</b>	<u><a href="#">Q86V48</a></u>
<b>Cytogenetics:</b>	1p36.12

**Gene Summary:**

This gene encodes a protein that contains a leucine zipper motif. The exact function of the encoded protein is not known. In mice this gene affects neural tube closure. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008]  
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The extent of this RefSeq transcript is supported by transcript alignments.