

## Product datasheet for **SC105878**

### CRYZL1 (BC013155) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRYZL1 (BC013155) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRYZL1
Synonyms:	2210407J23Rik; 2410006O11Rik; crystallin, zeta (quinone reductase)-like 1; QOH-1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC013155, the custom clone sequence may differ by one or more nucleotides

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ATGAAAGGCTTATATTTCCAACAGAGTTCACAGATGAAGAAATAACATTTGTATTTCAAGAAAAGGAAG
ATCTTCTGTACAGAGGATAACTTTGTGAACTTCAAGTTAAAGCTTGTGCTCTGAGCCAGATAAATAC
AAAGCTTCTGGCAGAAATGAAGATGAAAAGGATTTATTTCTGTTGGGAGAGAAATTGCTGGAATTGTA
TTAGATGTTGGAAGCAAGGTATCATTCTTTCAACCAGATGATGAAGTAGTTGAAGTACTTTCCCGGCTGG
GTGCTGTGGCTCACGTCTGTAATCCAGCACGTTGGGAGGCCAAGGTGGGCGAATCACCTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for BC013155 unedited</p> <pre> TTCAAATATTGTATACGACTCATATAGGGCGGCCGCAATTCGCACGAGGTGAAGGTGCA GGCCGTTGGGGCGGCTCAGAGGCAGGTGACTATGAAAAGGCTTATATTTCCAACAGAGTTC CACAGATGAAGAAATAACATTTGTATTTCAAGAAAAGGAAGATCTTCCTGTTACAGAGGA TAACCTTTGTGAACTTCAAGTTAAAGCTTGTGCTCTGAGCCAGATAAATACAAAGCTTCT GGCAGAAATGAAGATGAAAAAGGATTTATTTCTGTTGGGAGAGAAATTGCTGGAATTGT ATTAGATGTTGGAAGCAAGGTATCATTCTTTCAACCAGATGATGAAGTAGTTGGAATTTT GCCCTGGACTCTGAAGACCCTGGACTTTGTGAAGTTGTTAGAGTACATGAGCATTACTT GGTTCATAAAACCAGAAAAGGTACATGGACGGAAGCAGCAGGAAGCATTGGGATGGAGT GCGTGCCTATACAGCTCTGCATTATCTTTCTCATCTCTCTCTGGAAAATCAGTGCTGAT AATGGATGGAGCAAGTGCATTTGGTACAATAGCTATTCAGTTAGCACATCATAGAGGAGC CAAAGTGATTTCAACAGCATGCAGCCTTGAAGATAAGCAGTGCCTTGAAAGATTCAGACC TCCCAGAGTGCTGGGATTACAGGTGTGAGCCANCACGCTGGCATGAATNNTTAATAGTNA TTCAGATAGCATTTTTTCTCGGTGACATTGTTGACATATACTTAGCAAAATATTNCTATA TAAATATCACATTTNCTAANTATTCAAATTGAANTACTATTATGNNNATGGATCTCTCA AGGGTATATTTTTCAGCTTCTATTACATATTTACAGAGGGCTGAATGCAAACCGNATTT TAACCTCAAATTAAGTATTTTCAAACCTTA</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for BC013155 unedited</p> <pre> NNNCGGTACGACTATGNNACCGCGCCGCATNCTANGATCGNGTTTTTTTTTTTTTTTTTTT TCTAATTTTCAAATTTAATAGAAATTTTAAATCAGAATAACTTTAAACTCATACATTCCT ACATGAAGGGGTTTTGAAATCTACTCCTTAAACTTAAACATGCAGTATACTAATTACG TAACCTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGATGGAGTCTCACTCTGTCAACCAGGCTG GAGTGTAGTAGTCAATCTTGGCTCACTGAAACCTCTGCCTCCCAGGTTCAAGCGATTCC TCTGCCTCAGCCTCATGAGTAGCTGGGATTACAGGCATGTGCCACCATGCCCGGCCTACA TAACTACCTTAAAGCTCCGAATAAAGACTGTCATTGCTCTGGAGGGAAGTGGCCTTTAT ACATATCACACATATATGACTAGACACATTTAAGAAAAGTAAAGTATAATATTCAGTAGA GAGAAGTGAAGGCTATGAAATCTTTCTCAGACACACACATATGCTCTATCAAGTAAT GATAACTTTTTTTTTATCCAATACATTTAAACTTTTACCAAGTGTGCTGCCTCTAAGCC AGTCATTTTAGAAAATAAAGGAATTTCTTAAGTTGACCCTACTCTAAAGAGGTTTGCACCT TTCCTTTTTGAAATTGTTTGTATATTCCAAACTTTTTATTATTTTTACTCAACTGGAATGA TTTGGCTTCAATCACACCAGACTTATCTCTGGATGACCTTTGTTTCAAAAAGTCAAACCT ATCTTTCTTTGATAAAGATTTTCTAACATTGATATTTATAAAACTCCACAAACTCTTT TATTTAAAAAATATTCCGGAATGTTTTCTTGGCAAGGGCACCTCATAGGAGTAAG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC013155
<b>Insert Size:</b>	2750 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).

**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:** [BC013155.1](#), [AAH13155.1](#)

**RefSeq Size:** 689 bp

**RefSeq ORF:** 342 bp

**Locus ID:** 9946

**Cytogenetics:** 21q22.11

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a protein that has sequence similarity to zeta crystallin, also known as quinone oxidoreductase. This zeta crystallin-like protein also contains an NAD(P)H binding site. Alternatively spliced transcript variants have been observed but their full-length nature has not been completely determined. [provided by RefSeq, Jul 2008]