

Product datasheet for **SC110103**

CRYZL1 (NM_145858) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRYZL1 (NM_145858) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRYZL1
Synonyms:	4P11; QOH-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145858, the custom clone sequence may differ by one or more nucleotides

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ATGAAAGGCTTATATTTCCAACAGAGTTCCACAGATGAAGAAATAACATTTGTATTTCAAGAAAAGGAAG
ATCTTCTGTTACAGAGGATAACTTTGTGAAACTTCAAGTTAAAGCTTGTGCTCTGAGCCAGATAAATAC
AAAGCTTCTGGCAGAAATGAAGATGAAAAAGGATTTATTTCTGTTGGGAGAGAAATTGCTGGAATTGTA
TTAGATGTTGGAAGCAAGGTATCATTCTTTCAACCAGATGATGAAGTAGTTGGAATTTGCCCTGGACT
CTGAAGACCTGGACTTTGTGAAGTTGTTAGAGTACATGAGCATTACTTGGTTCATAAACAGAAAAGGT
CACATGGACGGAAGCAGCAGGAAGCATTGGGATGGAGTGCCTATACAGCTCTGCATTATCTTTCT
CATCTCTCTCCTGAAAATCAGTGCTGATAATGGATGGAGCAAGTGCATTTGGTACAATAGCTATTCAGT
TAGCACATCATAGAGGAGCCAAAGTGATTTCAACAGCATGCAGCCTTGAAGATAAGCAGTGCCTTGAAG
ATTCAGACCTCCCATAGCCCAGTGATTGATGTATCTAATGGGAAAGTTCATGTTGCTGAAAGCTGTTTG
GAAGAAACAGGTGGCCTGGGAGTAGATATTGCTCCTAGATGCTGGAGTGAGATTATATAGTAAAGATGATG
AACCAGCTGTAAAACATACTACTACCACATAAACATGATATCATCACACTTCTGGTGTGGAGGCCA
CTGGGTAAACAACAGAAGAAAACCTTCAGTTGGATCCTCCAGATAGCCACTGCCTTTTCTCAAGGGAGCA
ACGTTAGCTTTCTGAATGATGAAGTTTGAATTTGTCAAATGTACAACAGGGAAAATATCTTTGTATCT
TAAAGGATGTGATGGAGAAGTTATCAACTGGTGTTCAGACCTCAGTTGGATGAACCCATTCCACTGTA
TGAGGCAAAAGTTCCATGGAAGCTGTTTCAGAAAAATCAAGGAAGAAAAAAGCAAGTTGTTCAATTTTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145858 unedited
 GGGGTTTCATATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGGAAGGT
 GGCGGTGGTGAAGGTGCAGGCCGTTGGGGCGGCTCAGAGGCAGGTGACTATGAAAGGCTT
 ATATTTCCAACAGAGTCCACAGATGAAGAAATAACATTTGTATTTCAAGAAAAGGAAGA
 TCTTCCTGTTACAGAGGATAACTTTGTGAAACTCAAGTTAAAGCTTGTGCTCTGAGCCA
 GATAAATACAAAGCTTCTGGCAGAAATGAAGATGAAAAAGGATTTATTTCTGTTGGGAG
 AGAAATTGCTGGAATTTGATTAGATGTTGGAAGCAAGGTATCATTCTTTCAACCAGATGA
 TGAAGTAGTTGGAATTTTGCCCTGGACTCTGAAGACCCTGGACTTTGTGAAGTTGTTAG
 AGTACATGAGCATTACTTGGTTCATAAACCCAGAAAAGGTCACATGGACGGAAGCAGCAGG
 AAGCATTCCGGATGGAGTGCCTGCTATACAGCTCTGCATTATCTTTCTCATCTCTCTCC
 TGGAAAATCAGTCTGATAATGGATGGAGCAAGTGCATTTGGTACAATAGCTATTCAGTT
 AGCACATCATAGAGGAGCCAAAGTATTCAACAGCATGCAGCCTTGAAGATAAGCAGTG
 CCTTGAAGATTCAGACCTCCCATAGCCCGAGTGATTGATGTATCTAATGGGAAAGTTCA
 TGTTGCTGAAAGCTGTTTGAAGAAACAGGTGGCCTGNGAGTAGATATTGCTAGATGC
 TGGAGTGAGATATATAGTAAAGATGATGAACCAGCTGTNAACTACCACTACTACCACAT
 NAACATGATATCATCACACTTCTTGGTNNGTGAGCCACTGGGNNACACAGNAGAAAAC
 CTTCANTNGNATCCTCCAGATACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_145858 unedited
 TTTACTAGNAAGCGCCGAATCTAAGATCGGTTTTTTTTTTTTTTTTTTTTAAGTGCCT
 ATGGGCTAAGTCTTTAAGACTTCAAAAATACTCAAATGCTTAAATTATGACAGCAAAGA
 CTTAAGGAAGGTGTTGAGAACGGAGTTGATACAAAATTAATACGTTACTTTGATAGCTTA
 ACAAAGGCTGCAACAGCTTTTATCAAGAGTAGTGTGACTTTTGTGAAAGCAGCAGTTT
 TCTTCATGGAAGGAATTTATAGCAGGGGCAAAATATATAGAAACAATGAAAAGTTTTT
 AGAAAAATCCCTTAAGATGTTAATTATAGAATTATCTTGATCATTTGCAACAAGATTTT
 TCAAACACTTTTCAAATGTGCTAACTGAGCATCTTGCTTAGCAGAGAAACGTGCTTAA
 AATGCAACTTGTTTTATCTTCTTGGTTTTTCTCAACAATTTCCAAAGAAAATTCTGGCT
 TCAAATACTGGAATATGTTTCCGACTGANGTCTGAGAAAGAAGAAAATTAATAATTGAA
 CAACTTGCTTTTTTCTTCTTGGTTTTTCTGAACAGCTTCCATGGAAACTTTTGCCTCAT
 ACAGTGGAAATGGGTTTCACTCAACTGAAGTCTGAAAACACCAGTTGATAACTTCTCCATCA
 CATCCTTTAAGATACAAAGATATTTTCCCTGTTGTACATTTGACAAAATTTCAAACCTTCA
 TCATTCAGGAAAAGCTAACGTTGCTCCCTGAGGAAAAGGCAAGTGGGCTTCTGGGAGATTC
 AACTGAAAGTTTTCTCTGTTGGTACCCCAATGCCTTCAACACCAAAAAGTGTGATGAAATC
 ATGTTTATGTGGGGATAATTGGAGTTTTACACCGGGTCAACAATCTTACCATTTAATCTC
 CTCCAGC

Restriction Sites:

NotI-NotI

ACCN:

NM_145858

Insert Size:

1700 bp

OTI Disclaimer:

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).

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_145858.1](#), [NP_665857.1](#)

RefSeq Size: 1726 bp

RefSeq ORF: 597 bp

Locus ID: 9946

UniProt ID: [O95825](#)

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]
Transcript Variant: This variant (3), when compared to variant 1, uses an alternate splice site in the CDS that causes a frameshift and contains an additional segment in the 3' UTR. The resulting isoform (b), encoded by either this variant or by transcrip