

Product datasheet for **SC322086**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322086
 GCAGGCCGTTGGGGCGGCTCAGAGGCAGGTGACTATGAAAGGCTTATATTTCCAACAGAG
 TTCCACAGATGAAGAAATAACATTTGTATTTCAAGAAAAGGAAGATCTTCCTGTTACAGA
 GGATAACTTTGTGAACTTCAAGTTAAAGCTTGTGCTCTGAGCCAGATAAATACAAAGCT
 TCTGGCAGAAATGAAGATGAAAAAGGATTTATTTCTGTTGGGAGAGAAATTGCTGGAAT
 TGTATTAGATGTTGGAAGCAAGGTATCATTCTTTCAACCAGATGATGAAGTAGTTGGAAT
 TTTGCCCTGGACTCTGAAGACCCTGGACTTTGTGAAGTTGTTAGAGTACATGAGCATT
 CTTGGTTCATAAACCCAGAAAAGGTCACATGGACGGAAGCAGCAGGAAGCATTCTGGGATGG
 AGTGCCTGCCTATACAGCTCTGCATTATCTTTCTCATCTCTCTCCTGGAAAATCAGTGCT
 GATAATGGATGGAGCAAGTGCATTTGGTACAATAGCTATTCAGTTAGCACATCATAGAGG
 AGCCAAAGTGATTTCAACAGCATGCAGCCTTGAAGATAAGCAGTGCCTTGAAGATTGAG
 ACCTCCCATAGCCCGAGTGATTGATGTATCTAATGGGAAAGTTCATGTTGCTGAAAGCTG
 TTTGGAAGAAACAGGTGGCCTGGGAGTAGATATTGCTAGATGCTGGAGTGAGATTATA
 TAGTAAAGATGATGAACCAGCTGTAAAACATACTACTACCACATAAACATGATATCAT
 CACTCTTCTGGTGGAGGCCACTGGGTAACAACAGAAAGAAACCTTCAGTTGGATCC
 TCAGATAGCCACTGCCTTTTCTCAAGGGAGCAACGTTAGCTTTCCTGAATGATGAAAGT
 TTGGAATTTGTCAAATGTACAACAGGAAAATATCTTTGTATCTTAAAGGATGTGATGGA
 GAAGTTATCAACTGGTGTTCAGACCTCAGTTGGATGAACCCATTCCACTGTATGAGGC
 AAAAGTTTCCATGGAAGCTGTTGAGAAAATCAAGGAAGAAAAAGCAAGTTGTTCAATT
 TTAATTTCTTCTTTCTCAGACCTCAGTCGGATGAACATATTCCAGTATTTGAAGCCAGA
 ATTTTCTTTGAAATTTGAGAAAAACCAAGGAAGATAAAACAAGTTGCATTTTAAAGC
 ACGTTTCTATGCTAAGACAAGATGCTCAGTTGACACATTTGAAAAGAGTTTGAAGAAATC
 TTGTGCAAAATGATCAAGATAATTCTATAATTAACATCTTAAGGGAAATTTTCTAAAAC
 TTTTCATTGTTTCTATATATTTTGGCCCTGCTATAAAATTCCTTCCATGAAGAAAAC
 TGCTTTCAGCAAAAGTCACTACTCTTGATAAAAGCTGTTGCAGGCCTTTGCTAAGCTA
 TCAAAGTAACGTATTAATTTGTATCAACTCCGTTCTCAACACCTTCTTAAAGTCTTTGC
 TGTATAATTTAAGCATTGAGTATATTTGAAGTCTTAAAGACTTAGCCCATAGGCAC
 TTAAGAAAAGAAAAAAGAAAAA

Restriction Sites: Please inquire

ACCN: NM_145858

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_145858.2](#), [NP_665857.2](#)

RefSeq Size: 1726 bp

RefSeq ORF: 1050 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