

Product datasheet for SC116933

CRYZL1 (NM_005111) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRYZL1 (NM_005111) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRYZL1
Synonyms:	4P11, QOH-1; 2210407J23Rik; 2410006O11Rik; crystallin, zeta (quinone reductase)-like 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116933 sequence for NM_005111 edited (data generated by NextGen Sequencing)

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ATGAAAGGCTTATATTTCCAACAGAGTTCCACAGATGAAGAAATAACATTGTATTTCAA
GAAAAGGAAGATCTTCTGTTACAGAGGATAAAGTTGTGAAACTTCAAGTTAAAGCTTGT
GCTCTGAGCCAGATAAATACAAAGCTTCTGGCAGAAATGAAGATGAAAAAGGATTATTT
CCTGTTGGGAGAGAAATTGCTGGAATTGTATTAGATGTTGGAAGCAAGGTATCATTCTTT
CAACCAGATGATGAAGTAGTTGGAATTTGCCCTGGACTCTGAAGACCCTGGACTTTGT
GAAGTTGTTAGAGTACATGAGCATTACTTGTTTCATAAACCAGAAAAGGTCACATGGACG
GAAGCAGCAGGAAGCATTGGGATGGAGTGCCTGCCTATACAGCTCTGCATTATCTTTCT
CATCTCTCTCTGAAAAATCAGTGCTGATAATGGATGGAGCAAGTGCATTTGGTACAATA
GCTATTCAGTTAGCACATCATAGAGGAGCCAAAGTGATTTCAACAGCATGCAGCCTTGAA
GATAAGCAGTGCCTTGAAAGATTGAGACCTCCCATAGCCCGAGTGATTGATGTATCTAAT
GGGAAAGTTCATGTTGCTGAAAGCTGTTTGAAGAAACAGGTGGCCTGGGAGTAGATATT
GTCCTAGATGCTGGAGTGAGATTATATAGTAAAGATGATGAACCAGCTGTAAAACATAAA
CTACTACCACATAAACATGATATCATCACACTTCTTGGTGTGGAGGCCACTGGGTAACA
ACAGAAGAAAACCTTCAGTTGGATCCTCCAGATAGCCACTGCCTTTTCTCAAGGGAGCA
ACGTTAGCTTTCTGAATGATGAAGTTTGAATTTGTCAAATGTACAACAGGGAAAATAT
CTTTGTATCTTAAAGGATGTGATGGAGAAGTTATCAACTGGTGTTTTCAGACCTCAGTTG
GATGAACCCATTCCACTGTATGAGGCAAAAGTTCCATGGAAGCTGTTTCAGAAAAATCAA
GGAAGAAAAAGCAAGTTGTTCAATTTTAA

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Clone variation with respect to NM_005111.5



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005111 unedited</p> <pre>GATTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGTGAAGGTGCA GGCCGTTGGGCGGCTCAGAGGCAGGTGACTATGAAAGGCTTATATTTCCAACAGAGTTT CACAGATGAAGAAATAACATTTGTATTTCAAGAAAAGGAAGATCTTCTGTTACAGAGGA TAACTTTGTGAACTTCAAGTTAAAGCTTGTGCTCTGAGCCAGATAAATACAAAGCTTCT GGCAGAAATGAAGATGAAAAAGGATTTATTTCTGTTGGGAGAGAAATTGCTGGAATTGT ATTAGATGTTGGAAGCAAGGTATCATTCTTTCAACCAGATGATGAAGTAGTTGGAATTTT GCCCTTGACTCTGAAGACCCTGGACTTTGTGAAGTTGTTAGAGTACATGAGCATTACTT GGTTCATAAACCAGAAAAGGTACATGGACGGAAGCAGCAGGAAGCATTCCGGATGGAGT GCGTGCCTATACAGCTCTGCATTATCTTCTCATCTCTCTCTGGAAAATCAGTCTGAT AATGGATGGAGCAAGTGCATTTGGTACAATAGCTATTCAGTTAGCACATCATAGAGGAGC CAAAGTGAATTTCAACAGCATGCAGCCTTGAAGATAAGCAGTGCCTTGAAAGATTCAGACC TCCCATAGCCGAGTGATTGATGTATCTAATGGGAAAGTTCATGTTGCTGAAAGCTGTTT GGAAGAACAGGTGGCCTGGGAGTAGATATTGCCTAGATGCTGGAGTGAGATTATATAGT AAAGATGATGAACCAGCTGTTAACTACCACTACTACCCACCTAACATGATATCATCAC ACTTCTGGTTGTGGNAGGCCACTGGGTACAACAGAAAGAAACCTTCAGTTGGATCCTNC CGATAGCCACTGCCTTTTNTTTCAGGGAGCACGCTAGCTCTTCTGAATGATGAAGTTGGN AATTGTCCAAGTACACCAGGGACA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005111 unedited</p> <pre>CTTTCTATGNACCGCAGGCCGCTATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTAAAGGGCCTATGGGCTAAGTCTTTTAAAACCTCAAATATA CTCAAATGCTTAAATTATGACAGCAAAAACCTTAAGGAAGGGGTTGAAAACGGAGTTGATA CAAATAAATACGTTACTTTGATAGCTTAACAAAGGCCTGCAACAGCTTTTATCAAAAGT AGGGGGACTTTTCTGAAAGCAGCAGTTTTCTTCATGGAAGGAATTTTATAGCAGGGGCA AAATATATAGAAACAATGAAAAGTTTTTAAAAAATCCCTTAAATGTTAATTATAAA ATTATCTTGATCATTTGCACAAAAATTTTTCAAACACTTTTCAAATGTGTCAACTGAGCA TCTTGTCTTAACAAAAAACGTGCTTAAAAATGCAACTTGTTTTATCTTCTTGGTTTTT CTCAACAATTTCAAAAAAATTTCTGGCTTCAAATACTGGAATATGTTTCATCCGACTGAG GTCTGAAAAAATTTAAAAATTTGAACAACCTGCTTTTTTCTTCTGATTTTTCTG AACAGCTTCCATGAAACTTTTGCCTCATACAGGGGAATGGGTTTCACTCAACTGAGGTG GAAAACACAGTTGATAACTTCTCCATCACATCCTTTAAGAACAAGATATTTTCCCTGT TGTACATTTGACAAATTCAAACCTCATCATTCAAGAAAGCTAACGTTGCTCCCTTGAAG AAAAAGCAGTGGCTATCTGGAGGATCCACTGAAGTTTTCTTCTGTTGTACCCAGTGGCCT CCACACCAAAAAGGTGATGATATATGTTTATGTGGAGTAGTTGGAGTTCACAGCGGTTCA TATCTTTACTAATAATCCCCTCCACATCTAGGAAATTTCTACTCCAGCCCACTTGTCTT CCAACAAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005111
Insert Size:	1680 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_005111.5](#), [NP_005102.2](#)

RefSeq Size: 1639 bp

RefSeq ORF: 1050 bp

Locus ID: 9946

Cytogenetics: 21q22.11

Domains: ADH_zinc_N

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 (1) is the shortest transcript yet it encodes the longer isoform (a).