

Product datasheet for **RG205953**

CRYZL1 (NM_145858) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRYZL1 (NM_145858) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CRYZL1
Synonyms:	4P11; QOH-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205953 representing NM_145858 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAAGGCTTATATTTCCAACAGAGTTCACAGATGAAGAAATAACATTTGTATTTCAAGAAAAGGAAG
ATCTTCTGTACAGAGGATAACTTTGTGAAACTTCAAGTTAAAGCTTGTGCTCTGAGCCAGATAAATAC
AAAGCTTCTGGCAGAAATGAAGATGAAAAAGGATTTATTTCTGTGGGAGAGAAATGCTGGAATTGTA
TTAGATGTTGGAAGCAAGGTATCATTCTTCAACCAGATGATGAAGTAGTTGGAATTTGCCCTGGACT
CTGAAGACCCTGGACTTTGTGAAGTTGTTAGAGTACATGAGCATTACTTGGTTCATAAACAGAAAAGGT
CACATGGACGGAAGCAGCAGGAAGCATTGGGATGGAGTGCCTATACAGCTCTGCATTATCTTTCT
CATCTCTCTCTGAAAAATCAGTCTGATAATGGATGGAGCAAGTGCATTTGGTACAATAGCTATTCAGT
TAGCACATCATAGAGGAGCCAAAGTGATTTCAACAGCATGCAGCCTTGAAGATAAGCAGTGCCTTGAAG
ATTCAGACCTCCCATAGCCCGAGTGATTGATGTATCTAATGGGAAAGTTCATGTTGCTGAAAGCTGTTT
GAAGAAACAGGTGGCCTGGGAGTAGATATTGCTTAGATGCTGGAGTGAGATTATAGTAAAGATGATG
AACCAGCTGTAAAACATACTACTACCACATAAACATGATATCATCACACTTCTGGTGTGGAGGCCA
CTGGGTAACAACAGAAGAAAACCTTCAGTTGGATCCTCCAGATAGCCACTGCCTTTTCTCAAGGGAGCA
ACGTTAGCTTTCTGAATGATGAAGTTTGAATTTGTCAAATGTACAACAGGGAAAATATCTTTGTATCT
TAAAGGATGTGATGGAGAAGTTATCAACTGGTGTTCAGACCTCAGTTGGATGAACCCATTCCACTGTA
TGAGGCCAAAAGTTTCATGGAAGCTGTTCAAAAAATCAAGGAAGAAAAAAGCAAGTTGTTCAATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205953 representing NM_145858
Red=Cloning site Green=Tags(s)

MKGLYFQQSSTDEEITFVFQEKEDLPVTEDNFVKLVKACALSQINTKLLAEMKMKKDLFPVGREIAGIV
 LDVGSKVSFFQPDDEVGILPLDSEDPGLCEVVRVHEHYLVHKPEKVTWTEAAGSIRDGVRAYTALHYLS
 HLSPGKSVLIMDGASAFGTIAIQLAHHRGAKVISTACSLQKQCLERFRPPIARVIDVSNQKVHVAESCL
 EETGGLGVDIVLDAGVRLYSKDDEPAVKLQLLPHKHDIITLLGVGGHWVTTTEENLQDPPDSHCLFLKGA
 TLAFLNDEVWNL SNVQQGYLCILKDVMEKLGSTGVFRPQLDEIPLYEAKVSM EAVQKNQGRKKQVVQF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145858

ORF Size: 1047 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_145858.3](#)

RefSeq Size: 1726 bp

RefSeq ORF: 1050 bp

Locus ID: 9946

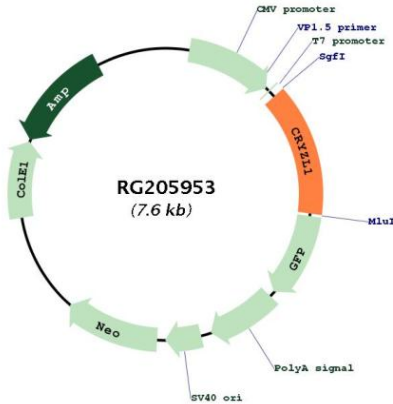
UniProt ID: [O95825](#)

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]

Product images:



Circular map for RG205953