

Product datasheet for **RN208541**

Crygn (NM_001106573) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crygn (NM_001106573) Rat Untagged Clone
Tag: Tag Free
Symbol: Crygn
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN208541 representing NM_001106573
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTCCTGTCGGCCTGTAGGCATGCATGGAGAGCATTTCCGCATAGACATCTTCGAGGGCTGCAACT
 TCACAGGCCAGTGTCTGGAGTTCGTGGAGGATTGCCCTTCCTACAGAGCCGGGGCTGGGCCAAGAGCTG
 TGTCAACGCCATCAAGGTGTATGGGGATGGAGCGTGGGTCCTCTACGAGGAGCCCACTACCGCGGTGCG
 ATGTACGTGGTGGAGAGAGGCGACTTCCGCAGCTTCTCAGACTGGGAGGCCACAGCGCACGCGTGCACT
 CGCTCCGCCGGGTGCTCAACTTTTCTAG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001106573
Insert Size: 309 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).


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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_001106573.1, NP_001100043.1

RefSeq Size: 414 bp

RefSeq ORF: 309 bp

Locus ID: 296730

UniProt ID: D3ZEG1

Cytogenetics: 4q11

Gene Summary: Crystallins are the dominant structural components of the vertebrate eye lens. Plays also an important role for integrity and function of auditory nuclei.[UniProtKB/Swiss-Prot Function]