

Product datasheet for SC306193

CRYGN (NM_144727) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRYGN (NM_144727) Human 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:	>SC306193 representing NM_144727. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGCGCAGCGCTCGGGGAAGATCACTCTATGAAGGCAAGCACTTCACAGGGCAGAAGCTGGAGGTC
 TTCGGGGACTGTGACAACTTCAGGACCGGGGCTTTATGAACCGAGTGAATCCATCCACGTGGAGAGC
 GGAGCCTGGGTCTGCTTCAATCACCCGACTTCCGGGGCCAGCAGTTCATCTTGGAGCACGGCGACTAC
 CCCGACTTCTTCGCTGGAACAGCCACAGTGACCACATGGGCTCCTGTCGGCCTGTAGGAATGCACGGA
 GAACATTTCCGCTAGAAATCTTCGAGGGTTGCAACTTCACGGGCCAGTGCCTGGAGTTCCTGGAGGAC
 AGCCCCCTCCTCAGAGCAGGGGCTGGGTCAAGAACTGTGTGAACACCATCAAGGTGTACGGGGACGGA
 GCAGCATGGAGCCCTAGAAGCTTCGGAGCTGAGGACTTCAGCTGAGCAGCTCTCTTCAATCAGATCAA
 GGACCGGAAGAGGCCACCACAAAACCAGCAACAACCCAGCCACCTTTCCTGACTGCAAACCTCTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_144727
Insert Size:	549 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).


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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:	<ol style="list-style-type: none"> 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:	<u>NM_144727.2</u>
RefSeq Size:	2038 bp
RefSeq ORF:	549 bp
Locus ID:	155051
UniProt ID:	<u>Q8WXF5</u>
Cytogenetics:	7q36.1
MW:	20.6 kDa
Gene Summary:	<p>This gene encodes a member of the crystallin family of proteins that are localized to the refractive structure of vertebrate eye lenses. The protein encoded by this gene is unique in that it has both beta and gamma crystallin protein motifs. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a).</p>