

Product datasheet for **SC311820**

ANKH (AF289590) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKH (AF289590) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKH
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AF289590, the custom clone sequence may differ by one or more nucleotides ATGCTAAACTGGTTGGCCCAAATCCAACAGATTGCAAAGAGTGGCAGGGCCTGGCAGCTG TCTGGAAGCCCTTCATCTTACAGACAAGGAAGTGGTGTCAAATGGACAGTAAAGGTGAAT CACATACTCAGCTATAGCCTGCTCCCAGCTGGGGCACTCCAGGCCCTCCTCTGGTCACT ACTGTAGAAATTAAGTGCATGTGTCTCAATCTGCGAGTGCAGCTGCTTCTAGATGGTGGC ACCTTCCAGAGCTTGGTTCGCCCTGTGTCTACCCAACAAGTACAGATGCCATCCCGGTGC TGTGATCTCCAGCCATTTCTCCATTTCTGTACAGCCAGAAAAG
Restriction Sites:	Please inquire
ACCN:	AF289590
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:	<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.



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RefSeq: [AF289590.1](#), [AAL55774.1](#)

RefSeq Size: 2639 bp

RefSeq ORF: 348 bp

Locus ID: 56172

Cytogenetics: 5p15.2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a multipass transmembrane protein that is expressed in joints and other tissues and controls pyrophosphate levels in cultured cells. Progressive ankylosis-mediated control of pyrophosphate levels has been suggested as a possible mechanism regulating tissue calcification and susceptibility to arthritis in higher animals. Mutations in this gene have been associated with autosomal dominant craniometaphyseal dysplasia. [provided by RefSeq, Jul 2008]