

Product datasheet for **RN207312**

Ankh (NM_053714) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankh (NM_053714) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ankh
Synonyms:	Ank; SLC61A1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207312 representing NM_053714
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGA AATCCCGGCCCTCACGCACTACTGGCCCTGATCCGGTTCCTGGT GCCCTTGGCATCACCA
ACATAGCCATCGACTTCGGGGAGCAGGCCTTGAACCGGGCATTGCTGCAGTCAAGGAAGATGCAGTAGA
GATGCTGGCCAGCTATGGGCTGGCGTATTCTCTGATGAAGTTCTTCGCGGACCCATGAGTGACTCAAG
AATGTGGGCTGGTGTGGTGAACAGCAAGAGAGACAGGGCCAAAGCTGTCTGTGCATGGTGGGCCG
GTGCCATTGCTGCAGTCTCCACACCCTGATAGCCTACAGTGACTTAGGGTACTACATCATCAACAAGCT
ACATCATGTGGACGAGTCTGTGGGGAGCAAAACACGAAGGGCCTTCTGTATCTCGCTGCCTTCCCTTTT
ATGGATGCCATGGCGTGGACTCATGCTGGCATTCTCTTAAACACAAATACAGTTTCTGGTGGGATGTG
CCTCAATCTCAGATGTCATAGCTCAGGTTGTGTCGTAGCCATTTACTTCACAGTCACCTGGAATGCCG
AGAGCCGCTGCTCATCCCATCCTGTCTGTACATGGGTGCACTTGTGCCTGTACCACGCTGTGCCTG
GGCTACTACAGGAACATCCACGACATCATCCCTGACAGGAGCGGCCAGAGCTGGGGGGCAGCAACCA
TAAGAAAGATGCTGAGCTTCTGGTGGCCTCTGGCTCTGATTCTGGCCACGCAGCGCATCAGCCGGCCAT
TGTCAACCTCTTTGTGTCCCGGGATCTTGGTGGCAGTTCTGCTGTACAGAGGCAGTGGCCATTCTGACA
GCTACCTACCCCGTGGGTACATGCCATATGGCTGGTTGACAGAAATCCGTGCTGTCTACCTGCTTTTG
ACAAGAATAACCCAGCAATAAACTGGCCAACACGAACAACACGGTCACCTCGGCCACATCAAGAAGTT
CACCTTCGTCTGCATGGCACTGTCACTGACGCTCTGTTTTGTAATGTTCTGGACCCCAACGTCTCTGAG
AAGATTTTGATAGACATCATTGGAGTGGACTTCGCCTTGCAGAACTCTGTGTCATTCTCTGCCTATCT
TCTCCTTCTCCAGTGCCAGTGACTGTGAGAGCTCATCTCACTGGATGGTTGATGACATTAAGAAAAAC
CTTTGTTCTGGCACCCAGCTCCGTGCTGCGGATCATCGTCTCATCACCAGCCTTGTGGTTCTGCCTTAC
CTGGGGTGCATGGAGCCACACTAGGTGTGGGCTCCCTTCTAGCAGGTTTGTGGGAGAGTACCATGG
TTGCCCTCGCAGCATGCTATGTGTATCGGAAGCAGAAAAAGAAGATGGAGAATGAGTCAGCCACCGAGGG
GGAAGACTCGCCATGACCGACATGCCTCCAGCAGAGGAGGTGACAGACATCGTAGAGATGAGAGAGGAA
AATGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_053714

Insert Size: 1479 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_053714.1](#), [NP_446166.1](#)

RefSeq Size: 2463 bp

RefSeq ORF: 1479 bp

Locus ID: 114506

UniProt ID: [P58366](#)

Cytogenetics: 2q22

Gene Summary: Regulates intra- and extracellular levels of inorganic pyrophosphate (PPi), probably functioning as PPi transporter.[UniProtKB/Swiss-Prot Function]