

Product datasheet for **MR207888**

Ank (NM_020332) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ank (NM_020332) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ank
Synonyms:	Ankh; D15Ertd221e; mKIAA1581
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207888 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGA AATTC**CGGCCGCTC**ACGCACTACTGGCCCTGATCCGGTTCCTGGTGC**CCCTCGGCAT**ACCA
 ACATAGCCATCGACTT**CGGGGAGCAGGC**CTTGAACCGGGGCATCGCTGCAGTCAAGGAGGATGCAGTAGA
 AATGCTGGCCAGCTACGGGCTGGCGTATTCTTTGATGAAGTTCTT**CACGGGGCCCATGAGT**GA**CTTCAAA**
 AATGTGGGCTGGTGTTCGTGAACAGCAAGAGAGACAGGGCCAAAGCCGTCTCTGCATGGTGGTGGCCG
 GTGCCATCGTGGCGTCTCCACACCCTGATAGCCTACAGTGA**CTTAGGGTACTACATCAACA**AGCT
 GCATCATGTGGATGAGTCTGTGGGAGCAAAACACGAAGGGCCTTCTGTATCTCGCTGCCTTCCCTTTT
 ATGGATGCCATGGCGTGGACTCATGCTGGCATTCTCTTAAACACAAATACAGTTTCTGGTGGGATGTG
 CCTCAATCTCAGATGTCATAGCTCAGGTTGTTTTCGTAGCCATTTGCTT**CACAGTCACTGGAATGCC**
 AGAACCGCTGCTCATCCCATCCTGTCTGTACATGGGTGCGCTTGTGCCTGCACCACACTGTGCCTG
 GGCTACTACAGGAACATCCACGACATCATCCCCGACAGGAGCGGCCAGAGCTGGGGGTGATGCAACCA
 TAAGAAAGATGCTGAGCTTCTGGTGGCCCTGGCTCTGATCCTGGCCACGCAGCGAATCAGTCGGCCAT
 TGTCAACCTCTTCGTGTCCCGGACCTTGGTGGCAGCTCTGCTGTACAGAGGCAGTGGCCATTCTGACA
 GCCACCTACCCCGTGGGTCAATGCCATATGGCTGGTTGACAGAAATCCGGGCTGTCTACCTGCTTTTG
 ACAAGAATAACCCAGCAATAAACTGGCGAACACAAGCAACACGGTCACCTCAGCCACATCAAGAAGTT
 CACCTTTGCTGCATGGCGCTGTCGCTGACGCTGTGTTTTGT**CATGTTCTGGACCCCA**CGTCTCTGAG
 AAGATCTGATAGATATCATTGGAGTGGACTTTGCCTTGCAGAACTCTGTGTCATTCTCTGCCTATCT
 TCTCCTTCTCCAGTGCCAGTGA**CTGTGAGAGCTCATCTCACTGGATGGCTGATGACATGA**AGAAAAC
 CTTTGTGCTGGCCCGCAGCTCCGTGCTGCGCATCATCGTCTCATCACCAGCCTTGTGGTCTGCGGTAC
 CTGGGGTGCACGGAGCCACACTAGGTGTGGGCTCCCTTCTAGCAGGTTTGTGGAGAATCTACCATGG
 TTGCCCTTGCAGCATGCTATGTCTATCGAAAACAGAAAAAGAGATGGAGAATGAGT**CAGCCACCGAGGG**
 AGAAGACTCGCCATGACCGACATGCCTCAACAGAGGAGGTCACAGACATCGTAGAGATGAGAGAAGAA
 AATGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207888 protein sequence
 Red=Cloning site Green=Tags(s)

MVKFPALTHYWPLIRFLVPLGITNIAIDFGEQALNRGIAAVKEDAVEMLASYGLAYSLMKFFTGPMSEDFK
 NVGLVFNVNSKRDRAKAVLCMVVAGIAAVFHTLIAYS~~DL~~GYIINKLHHVDES~~V~~SGSKTRRAFLYLAAFPF
 MDAMAWTHAGILLKHKYSFLVGCASISDVIAQVVFVAILLHSHLECREPLLIPILSLYMGALVRC**TTL**CL
 GYRNIHDIIPDRSGPELG**DATIRK**MLSFWWPLALILATQ**RISRP**IVNLFVSRDLGGSSAATEAVAILT
 ATYPVGHMPY**GW**LTEIRAVYPAFDKNNPSNKLANTSN**TVTSA**HIK**FTF**VC**ML**SLTL**CF**VMFWTPNVSE
 KILIDII**GV**DFAF**AEL**CVIPLRIF**SFF**VPV**TVRA**HLTG**W**MTL**K**TFV**LAP**SSVLR**IIV**LITSLV**VL**PY
 LGVHGATLG**VGS**LLAGF**VG**EST**M**VALAAC**VY**YR**KQ**KK**MEN**ESATE**G**ED**SAM**T**DMP**TE**EV**TDIVEMREE
 NE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_020332

ORF Size: 1479 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_020332.4](#), [NP_065065.3](#)

RefSeq Size: 3511 bp

RefSeq ORF: 1479 bp

Locus ID: 11732

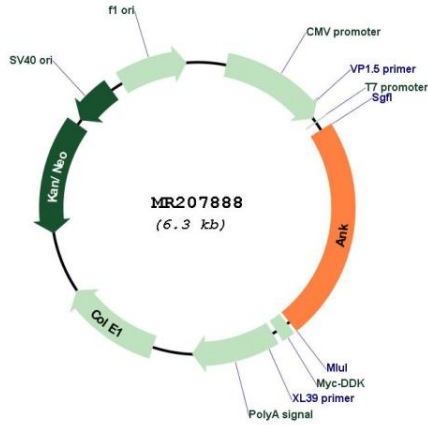
UniProt ID: [Q9JHZ2](#)

Cytogenetics: 15 10.23 cM

MW: 54.3 kDa

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

Product images:



Circular map for MR207888