

Product datasheet for **SC114656**

ANKRD25 (KANK2) (NM_015493) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD25 (KANK2) (NM_015493) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD25
Synonyms:	ANKRD25; MXRA3; NPHS16; PPKWH; SIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_015493, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCAGGTCCTGCACGTGCCTGCTCCCTTCCCAGGGACCCCTGGCCCAGCCTCCCCACCTGCCTTCC
CTGCCAAGGACCCCGATCCACCCTACTCCGTGGAGACCCCTATGGCTACCGCCTGGACCTGGACTTCTC
CAAGTACGTGGATGACATCGAGAAGGGCCACACGCTGCGACGCGTGGCAGTGCAGCGCCGCCCCCGCTG
AGCTCGCTGCCCCGTGGCCCTGGCTCCTGGTGGACGTCCACTGAGTCGCTGTGCTCCAATGCCAGTGGGG
ACAGCCGCCACTCAGCCTATTCTACTGCGGCCGTGGCTTCTACCCTCAGTATGGTGCTCTGGAGACCCG
CGGTGGCTTAATCCGCGGGTGGAGCGCACGCTGCTGGATGCCCGTCGCCGTCTCGAGGACCAGGCGGCC
ACACCCACCGCCTGGGCTCCCTGACCCCCAGTGCGGCCGGCTCGACAGCCTCCCTGGTGGGCGTGGGGT
TGCCACCCCGACACCACGGAGTTCAGGACTGTCCACACCGGTGCCTCCCAGTGCCGGGCACCTGGCCCA
CGTGCGGGAGCAGATGGCGGGTGCCTGCGGAAGCTGCGGCAGCTGGAGGAGCAGGTGAAGCTGATCCCT
GTGCTCCAGGTGAAGCTCTCGGTGCTCCAGGAGAAAAGCGGCAGCTCACAGTACAATTAAGAGCCAGA
AGTTCTGGGCCACCCACAGCGGGCCGGGGTTCGACGAGCTCTGCCTGGACCTCCCCGATCCCCAGA
GGACCCAGTGGCACTGGAGACCCGGAGTGTGGGCACCTGGGTTCGAGAACGGGACTTGGGCATGCCTGAT
GGGGAGGCTGCCCTCGCCGCCAAGGTGCTGTGCTGGAGACCCAGCTCAAGAAGGCGCTGCAGGAGCTGC
AGGCAGCTCAGGCCCGGCAGGCTGACCCCCAGCCCCAGGCTGGCCACC GCCGGACGCCCGGTCCCGCT
GGATACAGTCCGGGTGGTGAAGGGCCACGGGAGGTGGAGGTGGTGGCCAGCACAGCCGCTGGCGCCCC
GCACAGCGGGCCAGAGCCTGGAGCCTTACGGCACAGGGCTGAGGGCCCTGGCAATGCCTGGTAGGCCTG
AGAGCCCACCTGTGTTCCGCAGCCAGGAGGTGGTGGAGACAATGTGCCAGTGCCCGCTGCAGCTACCAG
CAACGTCCATATGGTGAAGAAGATTAGCATCACAGAGCGAAGCTGCGATGGAGCAGCAGGCTCCCAGAA
GTTCTGCCGAATCGTCTTCGTACCCCCGGGGTCCGAGGTAGCCTCCCTTACACAGCTGAGAAGAGCA
CAGGCCGAGTGGCCACCCAGGAGCCACCCACAGGGAGCCACCCAGGCAAGCAGCCTCCAAGAGTCCGA
GGAGGCCGGGGCACCGACCTCCGCTGTCTCCCTCCAGCGGGCCCCGGCAGGCGTGCGATCTATC
ATGAAACGGAAAGAGGAGGTTGCAGACCCACGGCCACCGGAGGAGCTCCAGTTCTGGGGGTCAACG
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CGAGGCCCCAGAGCCGAGGGAGAGGGTCCGAGTGTGGCCGAAGCCCCCAGCTCAGGCCTGCAGGGACG
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GGGCATCAGGATCAAACACGGAGGAGGATCAGGATGGAGCTAAGCCCTGACCTCATCTCAGCCTGCTT
GGCCCTGGAAGTACCTGGACAATCCCAACGCCCTCACAGAGCGGGAGCTGAAAGTGGCCTACACCACA
GTGCTGCAGGAGTGGCTGCGCCTGGCCTGCCGACGACGCACACCCGAGCTGGTGGCGGGCACCTGG
TCACGTTCCGGGCATGTCTGCGCGGCTGCTGGACTACGTGGTCAACATCGCCGACAGCAACGGCAACAC
AGCCCTGCACTACTCCGTGTCTCATGCCAACTTCCCCGTGGTGCAGCAGCTGCTCGACAGCGGTGTCTGC
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TGCTCGTTTGCCCAATGTCAGATGACGAGAGCCCTACATCATCCTCGGCAGAAGAGTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015493 unedited
 AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCAAGGCCACGGCTCAAA
 GGCAAGCGAGCTCTCCCTCTGCTTCCCTGGGGGAGCCCCAACGGCCACAGGACTCCAGCT
 CCAAGTGGGTTTTCTGGCTCCCCTGTTCAAAGTGGCCACAGCGCAGACCGAAGCAAAAT
 TCTTGTATACATTGGCGCCAGGGCTGATGCTGGGGTGTGGGTTTTATGAAGAATTGAG
 AACATCAGCTGGTAATTATGGATGGAGGAAGAGGAGAGGAAAAAATATTGTATTTTT
 GAATCATTGTTGCAGGAGGGGTGGGAATCTTAGGATTTGTTGCCAGATTTGAAAGTCAC
 TGGAACTTGCATATTTTCATTTAATCCTAAGTGTATTACGCACAGTTGGGGTTCACC
 CTTTCATCCCTCACATTTAATTGTCTGATATAGAATAGTGTGTGTCCACTGCCCGCTAG
 ACGGCTTTCTTAGGGGAATTTCTTCTGTTGTTTACAAAGACAGATTCTGCTCTGTCA
 CCCGGGACAGAAAACCTAGTCTTTTACCCTCATTGATGAAGGGACTCAGGACAGGCT
 CTGTGACTTACAGGGACCAATCAATCACAATGAGAAATTACCGGCCAGGCGTGGTGAC
 TCACGTCTGTAATCCCAGCATTTGGGAGGGCAAGCAAGAGCTTGAGCTTGAGCCTAGA
 CGTNAAGACCAGCCTGGGCAACACAGCAGACCCATCTCTACNAGAAAATTAACCTAGCC
 ANNGCGTGGTGGTGCAGCCTGTAGTCCAGCTATTNGNNGAGCTGACCCNNTGAGTCGAG
 CTACATGAGCTATGATCACACATTGCACTCAGCCTGGGGCAACANCGANACCTGTCTCAG
 AAGAAAAAAGAGACAATACCCAAAACCTCTTCCAAATGTGAGCTGGCATGTTATT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015493 unedited
 CCGCGGCCGAATCNANAGTCGAGTTTTTTTTTTTTTTTTTTTCAACATTATTGGTATCTT
 TATTAATTTGTTTACCTTCTAAAAAAACGATTACAAAAAGAATACTTCATTTAAGTG
 TAATACTGGCTTTATGGACGTACCGTGATCAGAAAGTGAATTAAGCTCATGGATATGC
 GTGAGAAGAGAATGGGCGCAGAGGCACGAGTCCAGTATCCACGGAGAGAAGGACGTGTA
 AAGAGATGCGTGGACCCATCTCAGGGGTACGCATTCCTGGGCCAAGGAGTTGCTCTAA
 GAGCTTAAAAATAATGCACTGGCTGGCTCCAGGGCTGGACACACAGGCACAGAGCTTTG
 TACCGTCTCTAAAGCTGCCAAAGCTGCGACCTTCCCCCTCAGACCCACAATTAATT
 GTTCCCAATCAGCTTTGGTTTTGTTTTCTCTGCACTTTACATGCAAAACACCATCTATCTA
 TTGATCCCTCCATCCATCCATCTGCTTGGCTCCTTGGGCCAATCCAACCGCCTATTTTCG
 TCATACAGGCCTTTCTTGCCCTACAATCCACCCCGCCGAGTTTCTTTACACCCACCAA
 TCGTTCTTCACTTTGGCCACAACCCCATGCGGTTGTCTTTTCACTCCACTCCGCAAC
 GCGGCCCCAGTTTCCGCCTTCCGATACTACATCAGTCCCACCCCTTTGCCTCCCCGCTC
 CCCCCAACCCCTCCCGACCTCCACTACTCCCGTTCCTCCTTACTCTTCCCTATCCCA
 TGCTATTTGCGCCGCCCCCTCCCTTCTCCTCGTCCCCCGCCCCGTTTCGCGA
 CCATCCGCACTCTTAGTACCGCCGACCCACCAACGCCCGCCCCCGGTCCCCCGT
 ATCCTACCCCGTTACCCCTCGCCATACCTACACCGTCATCTTCCGTACCCCTAGACCT
 ATATAACACCTCACCCN

Restriction Sites:

NotI-NotI

ACCN:

NM_015493

Insert Size:

2240 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_015493.1](#), [NP_056308.1](#)

RefSeq Size: 4966 bp

RefSeq ORF: 300 bp

Locus ID: 25959

UniProt ID: [Q63ZY3](#)

Cytogenetics: 19p13.2

Gene Summary: This gene encodes a member of the KN motif and ankyrin repeat domains (KANK) family of proteins, which play a role in cytoskeletal formation by regulating actin polymerization. The encoded protein functions in the sequestration of steroid receptor coactivators and possibly other proteins. Mutations in this gene are associated with impaired kidney podocyte function and nephrotic syndrome, and keratoderma and woolly hair. [provided by RefSeq, Jul 2016]
Transcript Variant: This variant (1) encodes the longer isoform (1). This variant may include additional exon structure in the 5' UTR, but the nature of any additional structure is unclear due to the lack of 5'-complete transcript data for this variant and the presence of alternative splicing choices further upstream.