

Product datasheet for **SC325361**

ANKRD25 (KANK2) (NM_001136191) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ANKRD25 (KANK2) (NM_001136191) 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: >OriGene ORF within SC325361 sequence for NM_001136191 edited (data generated by NextGen Sequencing)

```

ATGGCCCAGGTCCTGCACGTGCCTGCTCCCTTCCCAGGGACCCCTGGCCCAGCCTCCCCACCTGCCTTCC
CTGCCAAGGACCCCGATCCACCCTACTCCGTGGAGACCCCTATGGCTACCGCCTGGACCTGGACTTCTC
CAAGTACGTGGATGACATCGAGAAGGGCCACACGCTGCGACGCGTGGCAGTGCAGCGCCGCCCCCGCTG
AGCTCGCTGCCCCGTGGCCCTGGCTCCTGGTGGACGTCCACTGAGTCGCTGTGCTCCAATGCCAGTGGGG
ACAGCCGCCACTCAGCCTATTCTACTGCGGCCGTGGCTTCTACCCTCAGTATGGTGTCTGTGAGACCCG
CGGTGGCTTCAATCCGCGGGTGGAGCGCACGCTGCTGGATGCCCGTCGCCGTCTCGAGGACCAGGCGGCC
ACACCCACCGCCTGGGCTCCCTGACCCCCAGTGCGGCCGGCTCGACAGCCTCCCTGGTGGGCGTGGGGT
TGCCACCCCGACACCACGGAGTTCAGGACTGTCCACACCGGTGCCTCCCAGTGCCGGGCACCTGGCCCA
CGTGCGGGAGCAGATGGCGGGTGCCTGCGGAAGCTGCGGCAGCTGGAGGAGCAGGTGAAGCTGATCCCT
GTGCTCCAGGTGAAGCTCTCGGTGCTCCAGGAGAAAAGCGGCAGCTCACAGTACAACCTAAGAGCCAGA
AGTTCTGGGCCACCCACAGCGGGCCGGGGTTCGACGAGCTCTGCCTGGACCTCCCCGATCCCCAGA
GGACCCAGTGGCACTGGAGACCCGGAGTGTGGGCACCTGGGTTCGAGAACGGGACTTGGGCATGCCTGAT
GGGGAGGCTGCCCTCGCCGCCAAGGTGCTGTGCTGGAGACCCAGCTCAAGAAGGCGCTGCAGGAGCTGC
AGGCAGCTCAGGCCCGGACGGCTGACCCCCAGCCCCAGGCCTGGCCACCGCCGGACAGCCCGGTCCCGCT
GGATACAGTCCGGGTGGTGAAGGGCCACGGGAGGTGGAGGTGGTGGCCAGCACAGCCGCTGGCGCCCC
GCACAGCGGGCCAGAGCCTGGAGCCTTACGGCACAGGGCTGAGGGCCCTGGCAATGCCTGGTAGGCCTG
AGAGCCCACCTGTGTTCCGCAGCCAGGAGGTGGTGGAGACAATGTGCCAGTGCCCGCTGCAGCTACCAG
CAACGTCCATATGGTGAAGAAGATTAGCATCACAGAGCGAAGCTGCGATGGAGCAGCAGGCCTCCCAGAA
GTTCTGCGGAATCGTCTTCGTACCCCCGGGGTCCGAGGTAGCCTCCCTTACACAGCCTGAGAAGAGCA
CAGGCCGAGTGGCCACCCAGGAGCCACCCACAGGGAGCCACAGGCAAGCAGCCTCCCAAGAGTCCGA
GGAGGCCGGGGCACCGCGGGCCCGCGCAGGCGTGCATCTATCATGAAACGAAAGAGGAGGTTGCA
GACCCACGGCCACCGGAGGAGCCTCCAGTTCGTGGGGTCAACGGCGGGTATGAGTCGTATCCGAGG
ACTCCAGCACAGCAGAGAATCTCAGACAACGACAGCACAGAGAACGAGGCCCCAGAGCCGAGGGAGAG
GGTTCCGAGTGTGGCCGAAGCCCCCAGCTCAGGCCTGCAGGGACGGCAGCGGCCAAGACCAGCCGGCAG
GAGTGTGAGTGTCTCGAGAATCTCAGCACATACCCACTGCTGAGGGGGCATCAGGATCAAACACGGAGG
AGGAGATCAGGATGGAGTAAGCCCTGACCTCATCTCAGCCTGCTTGGCCCTGAAAAAGTACCTGGACAA
TCCCAACGCCCTCACAGAGCGGGAGCTGAAAGTGGCTACACCACAGTGTGCAGGAGTGGCTGCGCCTG
GCCTGCCGAGCGACGCACACCCGAGCTGGTGCGGCGGCACCTGGTCAGGTTCCGGGCCATGTCTGCGC
GGCTGCTGGACTACGTGGTCAACATCGCCGACAGCAACGCAACACAGCCCTGCACTACTCCGTGTCTCA
TGCCAACCTCCCCGTGGTGCAGCAGCTGCTCGACAGCGGTGTCTGCAAGGTGGACAAACAGAACCCTGCT
GGCTACAGCCCTATTATGCTCACCGCCCTGGCCACCCTGAAGACCCAGGACGACATCGAGACTGTCTTC
AGCTCTTCCGGCTTGGCAACATCAATGCCAAAGCCAGCCAGGCAGGACAGACGGCCCTGATGCTGGCCGT
CAGCCACGGGCGGGTGGACGTTGTCAAAGCCCTGCTGGCTGTGAGGCAGATGTCAACGTGCAAGATGAT
GACGGCTCCACGGCCCTCATGTGCGCTGTGAGCACGGCCACAAGGAGATCGCGGGGTGCTGCTGGCCG
TGCCACGCTGTGACATCTCACTCACAGATCGCGATGGGAGCACAGCTCTGATGGTGGCCTTGGACGCAGG
GCAGAGTGAGATTGCGTCCATGCTGTATTCCCGCATGAACATCAAGTGCTCGTTTGCCCAATGTGAGAT
GACGAGAGCCCTACATCATCCTCGGCAGAAGAGTAG
    
```

Clone variation with respect to NM_001136191.2

Restriction Sites: Please inquire
ACCN: NM_001136191
Insert Size: 3800 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). |
| 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_001136191.1</u> , <u>NP_001129663.1</u> |
| RefSeq Size: | 5224 bp |
| RefSeq ORF: | 2556 bp |
| Locus ID: | 25959 |
| UniProt ID: | <u>Q63ZY3</u> |
| Cytogenetics: | 19p13.2 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate in-frame splice site in the central coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Both variants 2 and 3 encode the same isoform (2).</p> |