

## Product datasheet for **SC318330**

### **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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC318330 representing NM\_015493.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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GATGACGACGATAAGGTTTAAACGGCCGGCCGGGT
  
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**Restriction Sites:** SgfI-NotI  
**ACCN:** NM\_015493  
**Insert Size:** 2580 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_015493.6</a></u>
<b>RefSeq Size:</b>	4966 bp
<b>RefSeq ORF:</b>	2580 bp
<b>Locus ID:</b>	25959
<b>UniProt ID:</b>	<u><a href="#">Q63ZY3</a></u>
<b>Cytogenetics:</b>	19p13.2
<b>MW:</b>	91.9 kDa
<b>Gene Summary:</b>	<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 (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.</p>