

## Product datasheet for **SC324471**

### **KIAA1279 (KIF1BP) (NM\_015634) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KIAA1279 (KIF1BP) (NM_015634) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA1279
Synonyms:	KBP; KIAA1279; KIF1BP; TTC20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_015634.2  
 GAGGCCGCTATGGCGAACGTTCCGTGGGCAGAGGTCTGCGAGAAATCCAGGCGGCGCTC  
 GCTCTGTGCGGGGTGAACTGCATAAAAAATCCGGAGAAGGAACCATACAAGTCCAATAC  
 AGCGCCCGGGCGCTACTGGAAGAGGTCAAGGCGCTGCTCGGCCCTGCGCCTGAGGACGAG  
 GATGAGCGGCCTGAGGCCGAGGACGGCCCGGTGCCGGTGACCACGCCCTGGGGCTGCCG  
 GCTGAGGTGGTGGAGCCCGAGGGGCCCGTCCGCCAGCGAGCGGTGAGGCTGGCAGTCATC  
 GAGTTCCACCTCGGGGTGAACCATCGACACGGAGGAGCTGTCCGGCGGGGAGGAGCAC  
 CTGGTGAATGCCTGCGGCTGCTGCGCAGGTACCGGCTCTCGCAGACTGCATCTCTCTC  
 TGCATCCAGGCGCAGAATAACCTGGGTATCTTGTGGTCTGAAAGAGAAGAAATTGAAACT  
 GCACAGGCTTACCTAGAGTCATCAGAAGCACTATATAATCAGTATATGAAAGAGGTTGGG  
 AGTCTCTCTTGTACTACTGAGCGTTTTCTTCTGAAGAAGAGAACTTACTGAACAA  
 GAGAGATCAAAAAGATTTGAAAAGGTTTATACTCATAACCTATATTACCTAGCTCAAGTC  
 TACCAGCATCTGGAAATGTTGAGAAGGCTGCTCACTATTGCCATAGTACACTAAAACGC  
 CAGCTTGAGCACAATGCCTACCATCCTATAGAGTGGGCTATCAATGCTGCTACCTTGTC  
 CAGTTTTACATCAATAAGCTATGCTTTATGGAGGCCAGGCACTGTTTATCAGCTGCTAAT  
 GTCATTTTTGGTCAAACCTGAAAAGATCTCAGCCACAGAAGACACTCCTGAAGCTGAAGGA  
 GAAGTGCCAGAGCTTTATCATCAAGAAAAGGGGAAATAGCAAGGTGCTGGATCAAAATAC  
 TGTGTGACTCTCATGCAGAATGCCAACTCTCCATGCAGGACAACATAGGAGAGCTTGAT  
 CTTGATAAACAGTCTGAACCTTAGAGCTTTAAGGAAAAAAGAACTAGATGAGGAGGAAAGC  
 ATTCGAAAAAAGCTGTGCAGTTTGAACCGGTGAACCTGTGTGATGCCATCTCTGCAGTA  
 GAAGAGAAAGTGAGCTACTTGAGACCTTAGATTTTGAAGAAGCCAGAGAACTTTTCTTA  
 TTGGGTGAGCACTATGTCTTTGAGGCAAAAGAGTCTTTTCAAGTTGATGGTTATGTCAT  
 GACCATATTGAAGTTGTCCAAGACCACAGTGTCTGTTTAAGGTGCTTGCACTTTTGA  
 ACTGACATGGAGAGACGGTGCAAGATGCATAAACGCAGAATAGCCATGCTAGAGCCCTA  
 ACTGTAGACCTGAATCCACAGTATTATCTGTTGGTCAACAGACAGATCCAGTTTGA  
 GCATGCTTACTATGATATGATGGATTGAAAGTTGCCATTGCTGACAGGCTAAGGGAT  
 CCTGATTCACACATTGTAATAAATAAATAAATCTTAATAAGTCAGCACTGAAGTACTAC  
 CAGCTCTTCTAGACTCCCTGAGAGACCCAAATAAAGTATTCCCTGAGCATATAGGGGAA  
 GATGTTCTTCGCCCTGCCATGTTAGCTAAGTTTCGAGTTGCCGCTCTCTATGGCAAAATC  
 ATTACTGCAGATCCCAAGAAAGAGCTGGAAAATTTGGCAACATCATTGGAACATTACAAA  
 TTTATTGTTGATTACTGTAAAAGCATCCTGAGGCCGCCAGGAAATAGAAGTTGAGCTA  
 GAACCTTAGTAAAGAGATGGTTAGTCTTCTCCCAACAAAAATGGAGAGATTGAGAACCAAG  
 ATGGCCCTGACTTAATCCTGTTTTTAAAGAAAGGAAATGTGCAATATTGAAGTGATCTT  
 TTTCCCTAGTCAGACAGGCCCAATTCCATTGTGATGTTTACCTTTATAGCCAGGTGAGTG  
 CAGTTTGAACCTGAGATACAGTCAACTGAGTGTGTTGCTAGGATCCTAAGGAACATAAAGT  
 TAATTAATAAATAACCTAATTATGTAATGCTTGTAAAGACATGTGATTTGTATT  
 TTAGATGCTTGTTCCTATTAATAACAGACATTTCTACCCTCAGTTTCTAAATGTAGAC  
 TATTTGTTGGCTAGTACTTGATAGATTCCTTGTAAAGAAAAATGCTGGGTAATGTACCTG  
 GTAACAAGCCTGTTAATATATTAAGATTGAAAAAGTAACTCTATAGTTACTCCTCTAA  
 AATATTTGACTTCTAAATTCCTCCACCCAAATCTTTCCCTTTTGAATACTAAAAA  
 CTAAGTTATGTTATTATAAAGTGTAAAATGGTTTGTCTTAATTATAGGAGAAAAAGGCT  
 TGTTAGAAATAAATAAATAACTGACTTATTTCACTAATGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_015634

**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).

<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>	<a href="#">NM_015634.2</a> , <a href="#">NP_056449.1</a>
<b>RefSeq Size:</b>	2542 bp
<b>RefSeq ORF:</b>	1866 bp
<b>Locus ID:</b>	26128
<b>UniProt ID:</b>	<a href="#">Q96EK5</a>
<b>Cytogenetics:</b>	10q22.1
<b>Gene Summary:</b>	This gene encodes a kinesin family member 1 binding protein that is characterized by two tetratricopeptide repeats. The encoded protein localizes to the mitochondria and may be involved in regulating transport of the mitochondria. Mutations in this gene are associated with Goldberg-Shprintzen megacolon syndrome. [provided by RefSeq, Mar 2010]