

Product datasheet for **SC126845**

KIAA1279 (KIF1BP) (NM_015634) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	KIAA1279
Synonyms:	KBP; KIAA1279; KIF1BP; TTC20
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene ORF within SC126845 sequence for NM_015634 edited (data generated by NextGen Sequencing)

ATGGCGAACGTTCCGTGGGCGAGAGGTCTGCGAGAAATTCAGGCGGCGCTCGTCTGTCTG
 CGGGTGGAACATGATATAAAATCCGGAGAAGGAACCATACAAGTCCAAATACAGCGCCCGG
 GCGCTACTGGAAGAGGTCAAGGCGCTGCTCGGCCCTGCGCCTGAGGACGAGGATGAGCGG
 CCTGAGGCCGAGGACAGCCGGGTGCCGGTGACACGCCCTGGGGTGCCGGCTGAGGTG
 GTGAGCCCGAGGGGCCGTCGCCAGCGAGCGGTGAGGCTGGCAGTCATCGAGTTCCAC
 CTCGGGGTGAACCATCGACACGAGGAGCTGTCGGCGGGGAGGAGCACCTGGTGAAA
 TGCCTGCGGCTGCTGCGCAGGTACCGGCTCTCGCAGCTGCATCTCTCTGTCATCCAG
 GCGCAGAATAACCTGGGTATCTTGTGGTCTGAAAGAGAAGAAATTGAACTGCACAGGCT
 TACCTAGAGTCATCAGAAGCACTATATAATCAGTATATGAAAGAGGTTGGGAGTCTCTCT
 CTTGATCCTACTGAGCGTTTTCTTCTGAAGAAGAGAACTTACTGAACAAGAGAGATCA
 AAAAGATTTGAAAAGGTTTATACTCATAACCTATATTACCTAGCTCAAGTCTACCAGCAT
 CTGGAATGTTTGAGAAGGCTGCTCACTATTGCCATAGTACACTAAACGCCAGCTTGAG
 CACAATGCCTACCATCTATAGAGTGGGTATCAATGCTGTACCTTGTACAGTTTTAC
 ATCAATAAGCTATGCTTTATGGAGGCCAGGCACTGTTTATCAGCTGCTAATGTATTTTT
 GGTCAAACCTGGAAGATCTCAGCCACAGAAGCACTCTGAAGTGAAGGAGAAGTGCCA
 GAGCTTTATCATCAAAGAAAGGGGAAATAGCAAGGTGCTGGATCAAATACTGTTTGACT
 CTCATGCAGAATGCCAACTCTCCATGCAGGACAACATAGGAGAGCTTGATCTTGATAAA
 CAGCTTGAACTTAGAGCTTTAAGGAAAAAAGAACTAGATGAGGAGGAAAGCATTCCGAAA
 AAAGCTGTGCAAGTTTGAACCGGTGAAGTGTGTATGCCATCTCTGCAGTAGAAGAGAAA
 GTGAGCTACTTGAGACCTTTAGATTTTGAAGAAGCCAGAGAACTTTTCTATTGGGTCAG
 CACTATGTCTTTGAGGCAAAAGAGTTCTTTGAGATTGATGGTTATGCTACTGACCATATT
 GAAGTTGTCCAAGACCACAGTCTCTGTTTAAAGGTGCTTGCACTTTTGAAGTGCATG
 GAGAGACGGTGCAAGATGCATAAACGCAGAATAGCCATGCTAGAGCCCTAACTGTAGAC
 CTGAATCCACAGTATTATCTGTTGGTCAACAGACAGATCCAGTTTGAAATTGCACATGCT
 TACTATGATATGATGATTTGAAGGTTGCCATTGCTGACAGGCTAAGGGATCCTGATTCA
 CACATTGTAAAAAAATAAATAATCTTAATAAGTCAGCACTGAAGTACTACCACTCTTC
 TTAGACTCCCTGAGAGACCCAAATAAAGTATTCCTGAGCATATAGGGGAAGATGTTCTT
 CGCCCTGCCATGTAGCTAAGTTTCGAGTTGCCGTCTCTATGGCAAAATCACTACTGCA
 GATCCCAAGAAAGAGCTGGAATTTGGCAACATCATTGGAACATTACAAATTTATTGTT
 GATTACTGTGAAAAGCATCCTGAGGCCGCCAGGAAATAGAAGTTGAGCTAGAACTTAGT
 AAAGAGATGGTTAGTCTTCTCCCAACAAAATGGAGAGATTGAGAACCAAGATGGCCCTG
 ACTTAA

Clone variation with respect to NM_015634.3
 196 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015634 unedited

TTGAATCCGACTTCTATAGGCGGCCGCGCATTGCGCACGAGGAGGAAAGCCAGGCAGTA
 GAGGCCGCTATGGCGAACGTTCCGTGGGCGAGAGTCTGCGAGAAATTCAGGCGGCGCTC
 GCTCTGTGCGGGTGGAAGTGCATAAAATCCGGAGAAGGAACCATACAAGTCCAAATAC
 AGCGCCCGGGCGCTACTGGAAGAGGTCAAGGCGCTGCTCGGCCCTGCGCCTGAGGACGAG
 GATGAGCGGCTGAGGCCGAGGACAGCCCGGTGCCGGTGACACGCCCTGGGGCTGCCG
 GCTGAGGTGTTGAGCCGAGGGGCCGTCGCCAGCGAGCGGTGAGGCTGGCAGTCAATC
 GAGTTCCACCTCGGGGTGAACCATCGACACGAGGAGCTGTCGGCGGGGAGGAGCAC
 CTGGTGAATGCCTGCGGCTGCTGCGCAGGTACCGGCTCTCGCAGCACTGCATCTCTCTC
 TGCATCCAGGCGCAGAATAACCTGNGTATCTTGTGGTCTGAAAGAGAAGAAATTGAACT
 GCACAGGCTTACCTAGAGTCATCAGAAGCACTATATAATCAGTATATGAAAGAGGTTGGG
 AGTCTCTCTTGTATCCTACTGAGCGTTTTCTTCTGAAGAAGAGAACTTACTGAACAA
 GAGAGATCAAAAAGATTTGAAAAGGTTTATACTCATAACCTATATTACCTAGCTCAAGTC
 TACCAGCATCTGGAATGTTTGAGAAGGCTGCTCACTATTGCCATAGTACACTANAACGC
 CAGCTTGAGCACAATGCCTACCATNCTATAGAGTGGGCTATCAATGCTGTACCTTGNNC
 ACAGTTTACATCATAGCTATGCTTTATGGAGGCCAGCACTGNTNATCAGCTGCTAATGT
 CATTTTTGGTCAACTGGNAANGATCTCAGCACAGAAGAACCTNCTGAG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015634 unedited <pre> CCCCGGGGTCCCCCNCNNNNNNCCCCCNCCTCTTTTACTTAGCNC CGCGNCC CGCATACNANGATCGNGTTTTTTTTTTTTTTTTTGGTGAAAAAGTCAGTTTATTTAT TTCTAACAAGGCCTTTTTCTCCTATAATTAAGACAAACCATTTTACACTTTATAATAACA TAACCTAGTTTTAGTATTTTCAAAAGGGAAGATTTTGGTG GGGGGAATGTAGGAAGT CAAATATTTTAGAAGGAGTAAGTATAGAAGTTACTTTTTCAATCTTAATATATTAACAGG CTTGTTACCAGGTACATTACCCAGCATTTTTCTTACAAGGAATCTATCAAGTACTAGCC AACAAATAGTCTACATTAGAACTGAGGGTAGAAATGTCTGTATTTAATAGGAAACAA GCATCTAAATACAAATCACATGTCTTAAACAAGGCAATTTACATAATTAGGTGTAAGTT TTTAATTAACCTTTATGTTCTTAGGATCCTAGCAAACTCAGTTGACTGTATCTCAAGT TCAAAGTGCACCTGGCTATAAAGGTAACATCACAATGGAATTGGCCTGCTCTGA CTAGGGAAAAAGATCACTTCAATATTGCACATTTCTTTCTTTAAAAACAAGGATTAAGT CAGGCCCATCTTGTCTGAATCTCTCCATTTTGTGGCGAGAAAGACTAACCATCTC TTTACTAAGTTCTAGCTTAACCTCTATTTCTGGCGGCCTCAGGATGCTTTTCCAGT AATCAACCATAAAATTTGTAATGTTCCCAAGGATGTTGCCAAATTTTCCAAGCTCTTTC TTGGGAACCGCGTAATGGATTGCCCTAAAGACCGGCAACTTCGAAATTACCTAAAAG GGACGGCGAAAGAAGCTTCTCCTATTTGCTCAGGGGAAAACCTTAATTTGGGCCTTCAAG GAATCTAACAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015634
Insert Size:	2600 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_015634.2</u> , <u>NP_056449.1</u>
RefSeq Size:	2542 bp
RefSeq ORF:	1866 bp

Locus ID:	26128
UniProt ID:	Q96EK5
Cytogenetics:	10q22.1
Gene Summary:	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]