

Product datasheet for SC113155

KIF15 (NM_020242) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF15 (NM_020242) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF15
Synonyms:	HKLP2; KLP2; KNSL7; NY-BR-62
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113155 sequence for NM_020242 edited (data generated by NextGen Sequencing)

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ATGGCACCCGGCTGCAAACTGAGTTACGCAGCGTGACAAATGGTCAGTCTAACCAACCA
AGTAATGAAGGTGATGCCATCAAAGTTTTTGTGCGAATTCGTCCCTGCAGAAAGATCT
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Clone variation with respect to NM_020242.2
 3616 c=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020242 unedited
 CGCGAATTCGGCACACGAGCGGCCCTCCATGCGGGCGTCAACGTCCGATCCAAGCGCCAAAT
 TCAAAATTTGCGGCCATCTTGAGCGGGCGGAATTCAGTCGCGCGCGGTGCAGTCGGGAGGT
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020242 unedited
 GACGAAATCGCGTCTGAGGGTCGAGAAAAATCCCTTTTTTTTATTATCTTAAAAATGGCT
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 ATCTAAGAAGAAAATGATCTGGCTAATGTCCACTGTAAACCTTAGCTACAGGCTTTTATT
 TTTACAAAGACAAAAGTTTTCCCTTAAGTTGATTCAAAGCCTTGAAGTAAGCCACTTAA
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 GGTGGTTACCACCACCTTATAAACATTTAATAATTAAGGTCCATAAATTCAGCTCTCCTA
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 CCTCTGGAATTCTAAGGCTGCTTCACTTTCAACATCTTTTCACTATTTAACTTTTGA
 AGNCTTTTCTGGAATTCCTTCTGAGACTTCTAAACGGGGATATTAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_020242

Insert Size:

4700 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_020242.1 , NP_064627.1
RefSeq Size:	4775 bp
RefSeq ORF:	4167 bp
Locus ID:	56992
UniProt ID:	Q9NS87
Cytogenetics:	3p21.31
Domains:	kinesin
Protein Families:	Druggable Genome
Gene Summary:	Plus-end directed kinesin-like motor enzyme involved in mitotic spindle assembly. [UniProtKB/Swiss-Prot Function]