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Product datasheet for SC337396

KIF6 (NM_001289021) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF6 (NM_001289021) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF6
Synonyms:	C6orf102; dJ137F1.4; dJ188D3.1; dJ1043E3.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_001289021, the custom clone sequence may differ by one or more nucleotides

ATGGTGAAGCAGACTATCCAGATATTCGCGAGGGTGAAGCCCCCTGTCCGGAAGCACCAACAAGGGATTT
ATTCCATAGATGAAGATGAAAAATTAATACCTAGCTTGGAAATCATCTTACCACGTGATTTGGCAGATGG
GTTTGTGAATAATAAGCGAGAAAGCTACAAATTTAAATTTCAAAGAATTTTTGATCAGGATGCAAACCAA
GAGACCGTTTTTGAAAACATTGCCAAACCAGTTGCTGGGAGTGTCCTGGCAGGTTACAATGGTACCATCT
TTGCATATGGGCAAACAGGCAGCGGGAAGACATTCACTATCACAGGGGGTGCAGAGCGTTACAGTGACAG
AGGCATTATCCCAAGGACACTGTCATACATTTTTGAACAGTTACAAAAGGACAGCAGCAAAATATATACA
ACACACATTTCCTATTTGGAAATCTACAATGAATGTGGTTATGATCTTTTGGATCCAAGACATGAAGCCT
CCAGTTTGGAAGATTTGCCGAAAGTGACAATACTGGAGGATCCTGATCAGAACATTCACCTGAAAAACTT
GACTCTCCATCAGGCAACCACAGAGGAAGAAGCTCTGAATTTGCTTTTTTTAGGAGACACCAACCGAATG
ATTGCAGAGACTCCTATGAACCAAGCTTCAACCCGTTCCCACTGCATTTTCACCATTCATTTGTCAAGCA
AGGAACCAGGATCTGCAACTGTACGACATGCCAAACTCCATCTGGTTGACCTGGCTGGTTCAGAGCGAGT
TGCAAAGACTGGAGTAGGGGGCCATCTTCTAACAGAGGCCAAGTATATCAACTTGTCACTACATTACTTA
GAACAGGTTATCATTGCCCTTTCAGAAAAGCACCGTTCGCACATTCCTTATAGAAACTCCATGATGACCA
GTGTCCTAAGAGACAGTTTGGGAGGGAACTGCATGACAACTATGATTGCAACACTCTCCTTGGAGAAAAG
GAATCTTGATGAGTCTATATCAACCTGCAGATTTGCACAGCGAGTGGCACTCATAAAGAATGAAGCTGTT
CTTAATGAAGAAATTAACCCCAGATTAGTGATTAAACGCCTACAAAAGGAAATCCAGGAACTGAAGGATG
AACTGGCCATGGTCACTGGGGAGCAGAGGACAGAGGCACTCACAGAAGCAGAGCTCCTTCAGCTGGAAAA
ACTAATAACATCCTTTTTGGAAGACCAGGATTCAGACAGTAGATTAGAGGTTGGCGCGGATATGCGTAAA
GTTCATCACTGTTTTCATCATTTAAAGAAACTATTGAATGACAAGAAGATCCTTGAAAACAATACAGTCT
CCTCTGAAAGCAAAGACCAAGATTGTCAAGAACCATTAAAAGAAGAAGAATATAGAAAGCTACGAGATAT
TCTGAAACAGAGAGATAACGAAATCAGTATCCTTTCTGAAGTGATGAAGAAACTTCCTCTATCCTGGTTT
GAAAGGGGAATGAGAGAGGAAATGTCATTAGGATGCCAGGAGGCTTTTGAAATCTTCAAGAGGGACCACG
CTGACAGCGTTACCATCGATGACAACAAACAGATTCTGAAACAGAGATTTTCTGAAGCCAAGGCCCTGGG
AGAAAGTATAAATGAAGCAAGAAGTAAAATTGGTCACCTGAAGGAAGAAATCACCCAGCGGCATATACAG
CAAGTAGCCCTAGGAATCTCGGAAAACATGGCCGTGCCTCTGATGCCAGACCAGCAGGAGGAGAAGCTGC
GATCACAACTGGAGGAAGAAAAGAGAAGGTATAAAACAATGTTCACTCGCCTGAAAGCCCTGAAGGTGGA
GATCGAGCACTTGCAGCTGCTCATGGACAAAGCCAAGGTGAAGCTACAGAAAGAGTTTGAAGTCTGGTGG
GCAGAGGAGGCCACCAACCTGCAGGTAAATTCTCCAGCAGTGAATTCACTCGATCACACGAAGCCATTTC
TCCAGACATCTGACTCCCAGCATGAATGGTCCCAACTCCTCTCTAACAAAAGTTCTGGAGGCTGGGAAGT
CCAAGATCAAGGCACTGGCAGATTCGATGTCTGTGATGTGAATGCCAGGAAAATCCTGCCCTCGCCTTGC
CCCAGTCCACACAGCCAGAAACAGAGCAGCACCAGCACCCCACTGGAAGACAGCATCCCCAAGAGGCCAG
TGTCGTCCATCCCTCTCACCGGAGACAGCCAGACGGACTCGGACATCATCGCCTTCATCAAGGCCAGACA
GAGCATTCTGCAGAAGCAATGTTTGGGAAGCAATTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001289021

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.
RefSeq:	NM_001289021.1, NP_001275950.1
RefSeq Size:	3804 bp
RefSeq ORF:	2277 bp
Locus ID:	221458
Cytogenetics:	6p21.2
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of a family of molecular motors which are involved in intracellular transport of protein complexes, membrane organelles, and messenger ribonucleic acid along microtubules. Kinesins function as homodimeric molecules with two N-terminal head domains that move along microtubules and two C-terminal tail domains that interact with the transported cargo, either directly or indirectly, through adapter molecules. This gene is ubiquitously expressed in coronary arteries and other vascular tissue. A naturally occurring mutation in this gene is associated with coronary heart disease. [provided by RefSeq, May 2017] Transcript Variant: This variant (3) uses an alternate in-frame splice site and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. It encodes isoform 3, which is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.