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Product datasheet for SC203162

Dynein intermediate chain 1 (DNAI1) (NM_012144) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Dynein intermediate chain 1 (DNAI1) (NM_012144) Human 3' UTR Clone
Symbol:	Dynein intermediate chain 1
Synonyms:	CILD1; DIC1; ICS1; PCD
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_012144
Insert Size:	258 bp
Insert Sequence:	>SC203162 3'UTR clone of NM_012144 The sequence shown below is from the reference sequence of NM_012144. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTGGTGAGGGAAGTGAAAATCAAGACCTGAGGGGCTGGCCTCAGTCTCTGTCCCATCGCTTGAATACAG TACTCCTAGGGCTTGACCCTGGTACCCAGCCCAGCCTTAGCACCCAGCATGTGACCCCACTCCTGATCA GGTCCCAGCATCTTCCCTTCTTGTTCTGTTCCTTAAGGTCCCAGCACCTTACCCCAGGACTTGGTCTTC AACCACCATTACCCCTCTAACTTTGCACAAATAAACCTGTGTAGAAACCCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_012144.4

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Summary: This gene encodes a member of the dynein intermediate chain family. The encoded protein is part of the dynein complex in respiratory cilia. The inner- and outer-arm dyneins, which bridge between the doublet microtubules in axonemes, are the force-generating proteins responsible for the sliding movement in axonemes. The intermediate and light chains, thought to form the base of the dynein arm, help mediate attachment and may also participate in regulating dynein activity. Mutations in this gene result in abnormal ciliary ultrastructure and function associated with primary ciliary dyskinesia and Kartagener syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Locus ID: 27019

MW: 9.2