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Product datasheet for SC115702

CDC37 (NM_007065) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC37 (NM_007065) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC37
Synonyms:	P50CDC37
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_007065 edited
GAATTCGGCACGAGGCGCCAAGGCAAGATGGTGGACTACAGCGTGTGGGACCACATTGAG
GTGTCTGATGATGAAGACGAGACGCACCCCAACATCGACACGGCCAGTCTCTTCCGCTGG
CGGCATCAGGCCCGGGTGGAACGCATGGAGCAGTTCCAGAAGGAGAAGGAGGAACTGGAC
AGGGGCTGCCGCGAGTGCAAGCGCAAGGTGGCCGAGTGCCAGAGGAAACTGAAGGAGCTG
GAGGTGGCCGAGGGCGGCAAGGCAGAGCTGGAGCGCCTGCAGGCCGAGGCACAGCAGCTG
CGCAAGGAGGAGCGGAGCTGGGAGCAGAAGCTGGAGGAGATGCGCAAGAAGGAGAAGAGC
ATGCCCTGGAACGTGGACACGCTCAGCAAAGACGGCTTCAGCAAGAGCATGGTAAATACC
AAGCCCGAGAAGACGGAGGAGGACTCAGAGGAGGTGAGGGAGCAGAAACACAAGACCTTC
GTGGAAAAATACGAGAAACAGATCAAGCACTTTGGCATGCTTCGCCGCTGGGATGACAGC
CAAAAGTACCTGTCAGACAACGTCCACCTGGTGTGCGAGGAGACAGCCAATTACCTGGTC
ATTTGGTGCATTGACCTAGAGGTGGAGGAGAAATGTGCACTCATGGAGCAGGTGGCCCAC
CAGACAATCGTCATGCAATTTATCCTGGAGCTGGCCAAGAGCCTAAAGGTGGACCCCCGG
GCCTGCTTCCGGCAGTTCTTCACTAAGATTAAGACAGCCGATCGCCAGTACATGGAGGGC
TTCAACGACGAGCTGGAAGCCTTCAAGGAGCGTGTGCGGGGCCGTGCCAAGCTGCGCATC
GAGAAGGCCATGAAGGAGTACGAGGAGGAGGAGCGCAAGAAGCGGCTCGGCCCCGGCGGC
CTGGACCCCGTCGAGGTCTACGAGTCCCTCCCTGAGGAACTCCAGAAGTGCTTCGATGTG
AAGGACGTGCAGATGCTGCAGGACGCCATCAGCAAGATGGACCCCACCGACGCAAAGTAC
CACATGCAGCGCTGCATTGACTCTGGCCTCTGGGTCCCCAACTCTAAGGCCAGCGAGGCC
AAGGAGGGAGAGGAGGCAGGTCCTGGGGACCCATTACTGGAAGCTGTTCCCAAGACGGGC
GATGAGAAGGATGTCAGTGTGTGACCTGCCCCAGCTACCACCGCCACCTGCTTCCAGGCC
CCTATGTGCCCCTTTTCAGAAAACAGATAGATGCCATCTCGCCCGCTCCTGACTTCCTCT
ACTTGCGCTGCTCGGCCCAGCCTGGGGGGCCCGCCCAGCCCTCCCTGGCCTCTCCACTGT
CTCCACTCTCCAGCGCCCATTCAAGTCTCTGCTTTGAGTCAAGGGGCTTCACTGCCTGCA
GCCCCCCATCAGCATTATGCCAAAGGCCCGGGGGTCCGGGGAAGGGCAGAGGTCACCAGG
CTGGTCTACCAGGTAGTTGGGGAGGGTCCCCAGCCAAGGGGCCGGCTCTCGTCACTGGGC
TCTGTTTTCACTGTTCGTCTGCTGTCTGTGTCTTCTATTTGGCAAACAGCAATGATCTTC
CAATAAAAGATTTCAGATGCAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007065 unedited
GCGTCTAAATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAGGCGCCAAGG
CAAGATGGTGGACTACAGCGTGTGGGACCACATTGAGGTGTCTGATGATGAAGACGAGAC
GCACCCCAACATCGACACGGCCAGTCTCTTCCGCTGGCGGCATCAGGCCCGGGTGGAACG
CATGGAGCAGTTCCAGAAGGAGAAGGAGGAACTGGACAGGGGCTGCCGCGAGTGCAAGCG
CAAGGTGGCCGAGTGCCAGAGGAAACTGAAGGAGCTGGAGGTGGCCGAGGGCGGCAAGGC
AGAGCTGGAGCGCCTGCAGGCCGAGGCACAGCAGCTGCGCAAGGAGGAGCGGAGCTGGGA
GCAGAAGCTGGAGGAGATGCGCAAGAAGGAGAAGAGCATGCCCTGGAACGTGGACACGCT
CAGCAAAGACGGCTTCAGCAAGAGCATGGTAAATACCAAGCCCGAGAAGACGGAGGAGGA
CTCAGAGGAGGTGAGGGAGCAGAAACACAAGACCTTCGTGGAAAAATACGAGAAACAGAT
CAAGCACTTTGGCATGCTTCGCCGCTGGGATGACAGCCAANAGTACCTGTNCAGACACGT
CCACCTGGTGTGCGAGGAGACAGCCAATTACCTGGTCATTTGGTGCATTGACCTAGAGGT
GGAGGAGAAATGTGCACTCATGGAGCAGGTGGCCAACCAGACNATCGTCATGCAATTTAT
CCTGNAGCTGGCCAAGAGCCCTAAGGGTGGACCCCGGNCCCTGCTTCNGCAGTTCTTCAC
TAAGATTAAGACAGCCGATCGCCAGTACATGGAGGGCTTCACGACGAGCTGGAAGCCTTC
AGGNAGCGTGTGCGGGGCCGTGCCNAGCTGCGCATCGAGAAGCCATGNAGGAGTACCNAG
GAGGAGAGCCGCAGAAAGCGCTTCGCCCCCGCGGCCTGGACCCGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007065 unedited
ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGCATCTGAAATCTTTTA
TTGGAAGATCATTGCTGTTTGCCAAATAGAAGACACAGACAGCAGACGAACAGTGAAAAC
AGAGCCCAGTGACGAGAGCCGGCCCCTTGGCTGGGGACCCTCCCCAACTACCTGGTAGAC
CAGCCTGGTGACCTCTGCCCTTCCCCGGACCCCCGGGCCTTTGGCATAATGCTGATGGGG
GGCTGCAGGCAGTGAAGCCCCTTGACTCAAAGCAGAGACTTGAATGGGCGCTGGAGAGTG
GAGACAGTGGAGAGGCCAGGGAGGGCTGGGCGGGCCCCCCAGGCTGGGCCGAGCAGCGCA
AGTAGAGGAAGTCAGGAGCGGGCGAGATGGCATCTATCTGTTTTCTGAAAAGGGGCACAT
AGGGGCCTGGAAGCAGGTGGCGGTGGTAGCTGGGGCAGGTCACACACTGACATCCTTCTC
ATCGCCCGTCTTGGGAACAGCTTCCAGTAATGGGTCCCCAGGACCTGCCTCCTCTCCCTC
CTTGGCCTCGCTGGCCTTAGAGTTGGGGACCCAGAGGCCAGAGTCAATGCAGCGCTGCAT
GTGGTACTTTGCGTCGGTGGGGTCCATCTTGCTGATGGCGTCCTGCAGCATCTGCACGTC
CTTCACATCGAAGCACTTCTGGAGTTCCTCAGGGAGGGACTCGTAGACCTCGACGGGGTC
CAGGCCGCCGGGGCCGAGCCGCTTCTTGCGCTCCTCCTNCTCGTACTCCTTCATGGCCTT
CTCGATGCGCAGCTTGGCACGGGCCCCGCACACGCTCCTTGAANGGCTCCAGCTCGTCGT
TGAAGCCCTCCATGTACTGGNCGATCGGCTGTCTTAATNCTTAGTGAAGAACTGGCNGAA
GC

Restriction Sites: NotI-NotI

ACCN: NM_007065

Insert Size: 1710 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.

RefSeq: NM_007065.3, NP_008996.1

RefSeq Size: 1693 bp

RefSeq ORF: 1137 bp

Locus ID: 11140

UniProt ID: Q16543

Cytogenetics: 19p13.2

Domains: Cdc37

Gene Summary: The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of Sacchromyces cerevisiae. This protein is a molecular chaperone with specific function in cell signal transduction. It has been shown to form complex with Hsp90 and a variety of protein kinases including CDK4, CDK6, SRC, RAF-1, MOK, as well as eIF2 alpha kinases. It is thought to play a critical role in directing Hsp90 to its target kinases. [provided by RefSeq, Jul 2008]