

Product datasheet for **SC116902**

CHES1 (FOXN3) (NM_005197) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHES1 (FOXN3) (NM_005197) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHES1
Synonyms:	C14orf116; CHES1; PRO1635
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005197, the custom clone sequence may differ by one or more nucleotides

```
ATGGGTCCAGTCATGCCTCCCAGTAAGAAGCCAGAAAGCTCAGGAATTAGTGTCTCCAGTGGACTGAGTC
AGTGTACGGGGCAGCGGTTTCTCCAAGGCCCTCAGGAAGACGATGACCTCGACTTTTCTCTGCCTGA
CATCCGATTAGAAGAGGGGGCCATGGAAGATGAAGAGCTGACCAACCTGAACTGGCTGCACGAGAGCAAG
AACTTGTGAAGAGCTTTGGGGAGTCGGTCTCAGGAGTGTGAGCCCGTCCAGGACCTGGACGATGACA
CCCCCATCCCCTGCCACTCTGACATGCCCTACGATGCCAGGCAGAACCCCAACTGCAAACCCCTA
CTCCTTCAGCTGCCTCATATTTATGGCCATCGAGGACTCTCAACCAAGCGCTGCCAGTGAAGGATATC
TACAACTGGATCTTGAAACATTTCCGTATTTGCAAATGCACCTACTGGGTGAAAAAATCAGTGAGAC
ACAATTTATCATTGAATAAGTGTTTAAGAAAGTGGACAAAGAGAGGAGTCAAGATTGGGAAAGGGTC
GTTGTGGTGCATAGACCCAGAGTATAGACAAAATCTAATTCAGGCTTTGAAAAAGACACCTTATACCCA
CACCCACACGTGTTCAATACACCTCCCACCTGTCTCAGGCATATCAAAGCACATCAGGTCCACCCATCT
GGCCGGGCAGTACCTTCTCAAGAGAAATGGAGCCCTTCTCAAGTTCTCCAGGAGTGATCCAAAATGG
AGCGCGGGTCTGAGCCGAGGGCTGTTTCTGGCGTGGCGCCGCTGCCAATCACTCCCATTGGGGTGACA
GCGGCCATGAGGAATGGCATCACCAGCTGCCGATGCGGACTGAGAGTGAAGCCATCTTGTGGCTCCCCAG
TGGTCAGCGGAGACCCCAAGGAGGATCACAACACAGCAGTGCCTCAAGTCTCAACGCCCCGAGCACCTC
GCCACCAAGGACTCCATCTCTCTCTCTCTCCTCAGCCGACGACCACTATGAGTTTGCACCAAGGGG
AGCCAGGAGGGCAGCGAGGGCAGCGAGGGGAGCTTCCGGAGCCACGAGAGCCCGAGCAGCAGGAAAGAG
ACGACAGGAAGCACAGCCAGAAGGAGCCCAAGGATTCTCTGGGGGACAGCGGGTACGCATCCCAGACAAA
GAAGCGCCAGCACTTCGCAAGGCCAGGAAGGTCCCCAGCGACACACTGCCCTCAAAAAGAGACGCACC
GAAAAGCCCCCGAGAGCGATGATGAGGAGATGAAAGAAGCGGCAGGGTCCCTCTGCACCTAGCAGGGA
TCCGGTCTGTTGAATAACATACCAATCGGACGGCAAAGGGGCAGAAAGAGCAAAAAGGAAACCACAAA
AAATTAA
```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005197 unedited</p> <pre> ATATTTGTATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGCCGCCGCCGCC GCCCGGGCTCGCCGCGCCGCGCCCGCGCTCCTTAGCGGGCCACCGAGCGATGCCCGC CGGGCGCCCGGAAAGTTTGTCCGCTCCTGCTGAAGGGCAGCGCCGCCCGCACCCCG TGCCCCGCTCCGGCCAGGAGCCTTACGTAAATGGGTCCAGTCATGCCTCCCAGTAAGAA GCCAGAAAGCTCAGGAATTAGTGTCTCCAGTGGACTGAGTCAGTGTTACGGGGCAGCGG TTTCTCCAAGGCCCTTCAGGAAGACGATGACCTCGACTTTTCTCCTGCCTGACATCCGATT AGAAGAGGGGGCCATGGAAGATGAAGAGCTGACCAACCTGAACTGGCTGCACGAGAGCAA GAACTTGCTGAAGAGCTTTGGGGAGTCGGTCTCAGGAGTGTAGCCCGCTCCAGGACCT GGACGATGACACCCCCCATCCCCTGCCACTCTGACATGCCCTACGATGCCAGGCAGAA CCCCAACTGCAAACCCCTACTCCTCAGCTGCCTCATATTTATGGCCATCGAGGACTC TCCAACCAAGCGCTGCCAGTGAAGGATATCTACAACCTGGATCTTGAACATTTCCGTA TTTTGCAATGCACCTACTGGGTGGAAAACCTCAGTGAGACACAATTTATCATTGAATAA GTGTTTTAAGAAAGTGGACANAGAGAGGAGTCAAGTATTGGGAAAGGGTCGTTGTGGT CATAGACCCAGAGTATAGACAAAATCTAATTCAGGCTTNNTGAAAGACACCTTATCACCC ACACCACAGTGTCAATACACCTCCCACTGTNCTCAGGCTATCAAAGCCATCAGGTNCA CCCATTTGGCCGGCAGTACTTCTTTCAGAGAATGGAGCCCTTCTCAGNTCCTNCAGNA GTGATCCAAAATGGAGCGCGGGTCTGN </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005197 unedited</p> <pre> CGCGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTCACTTGGCTCAAATAGTT TTGATAGACAGAAAAAGATCTGTACCATTATTTCTTTCTTAAACAGCTATTGTAATTTT CTGGACTTGGTTGCTTTTCACTTGGGCAGTTAAGAAGACACAGCTTGTTTTCCCATCAG TTTTCTCTCTCTCCTTCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG CGCGTGCCTGCACAGGGCCAATCTCAGGCTTATGGCTTTGGGAACATTTTCTTATTTTA ATAGAGAACAGATTTAGTATTAGCAACATCACTAAAAATTTACCCATTTCTTCTCCA TGAGTCACTGACCCCGATGCGCATGAACAGTCCAACGTCCACCTCGTAAGATGTCATCG GGCTTCAGGGTTCAAAGCATCGAGGACTGGTGGCCGCCCTCTGTGCTCGCCGTGTGAC AATTCAGTGGCTTTCTGGCACCATCATATGCCTGGGGCCACAAGCTGGGGTCTGCTCC TAGGGGGACGAGGGTTCTCCTCCTCCTCAATTGCTTTATGCGCCTTCACTCAGTGACC CCCGGGGGTGGACACCCTGTCTTCTAACCTAAGGGTTGGCCCTTGACGAAGATCAT TCGCCCCCGTCCCTTCTGTGTGCCAATGCGTTGTCTTGTGTTTTCGACCTTTACACTC CTTGCGGACTCTTTCACATGTTTTTAGACAACCCGGGAGCACACCATGCGAATCTCGGT TTCTTTCCGCCCCGCTCCACAACCCGAAAATCCTCTGCAACAACCCGCACGCGCCA CTCGCACCTCTCTGCCTCTCCCCCCTTAAAACAAATATTCTTTGGTTCCCATACACA CTCAGTGGTGGGCTTTACTCAATAATTTAGCGGTCAATCTCTGCATACCCCGCCTCTC CTCTCTCTCAATTATTAATTTTCTCGTATT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005197
Insert Size:	2680 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_005197.2](#), [NP_005188.2](#)

RefSeq Size: 7826 bp

RefSeq ORF: 1407 bp

Locus ID: 1112

UniProt ID: [O00409](#)

Cytogenetics: 14q31.3-q32.11

Domains: FH

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene is a member of the forkhead/winged helix transcription factor family. Checkpoints are eukaryotic DNA damage-inducible cell cycle arrests at G1 and G2. Checkpoint suppressor 1 suppresses multiple yeast checkpoint mutations including mec1, rad9, rad53 and dun1 by activating a MEC1-independent checkpoint pathway. Alternative splicing is observed at the locus, resulting in distinct isoforms. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon and differs in the 5' UTR, compared to variant 1, resulting in a shorter protein (isoform 2).