

Product datasheet for **SC212481**

C9orf72 (NM_145005) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: C9orf72 (NM_145005) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: C9orf72
Synonyms: ALSFTD; DENND9; DENNL72; FTDALS; FTDALS1
ACCN: NM_145005
Insert Size: 1187 bp
Insert Sequence: >SC212481 3'UTR clone of NM_145005
The sequence shown below is from the reference sequence of NM_145005. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCTGTCATGAAGGCTTTCTTCTCAAGTAAAGAAATTTTTCTTTTCATAAAAGCTGGATGAAGCAGATACC
ATCTTATGCTCACCTATGACAAGATTTGGAAGAAAGAAAATAACAGACTGTCTACTTAGATTGTTCTAG
GGACATTACGTATTTGAACTGTTGCTTAAATTTGTGTTATTTTTCACTCATTATATTCTATATATATT
TGGTGTTATTCCATTTGCTATTTAAAGAAACCGAGTTTCCATCCCAGACAAGAAATCATGGCCCTTGC
TTGATTCTGGTTTCTTGTCTTACTTCTCATTAAAGCTAACAGAATCCTTTCATATTAAGTTGACTGTGA
GATGAACCTAAGTTATTTAGGCGTAGAACAAAATTATTCATATTTATACTGATCTTTTTCCATCCAGCA
GTGGAGTTTAGTACTTAAGAGTTTGTGCCCTTAAACCAGACTCCCTGGATTAATGCTGTGTACCCGTGG
GCAAGGTGCCTGAATTCTCTATACACCTATTTCTCATCTGTAATGGCAATAATAGTAATAGTACCT
AATGTGTAGGGTTGTTATAAGCATTGAGTAAGATAAATAATAAAGCACTTAGAACAGTGCCTGGAAC
ATAAAACACTTAATAATAGCTCATAGCTAACATTTCTATTTACATTTCTTCTAGAAATAGCCAGTAT
TTGTTGAGTGCCTACATGTTAGTTCCTTTACTAGTTGCTTTACATGTATTATCTTATATTCTGTTTTAA
AGTTTCTTACAGTTACAGATTTTCATGAAATTTACTTTTAAATAAAAGAGAAAGTAAAAGTATAAAGTA
TTCACTTTTATGTTACAGTCTTTTCTTTAGGCTCATGATGGAGTATCAGAGGCATGAGTGTGTTTAA
CCTAAGAGCCTTAATGGCTTGAATCAGAAGCACTTTAGTCTGTATCTGTTCAAGTGTGAGCTTTTCATA
CATCATTTTAAATCCCATTTGACTTTAAGTAAGTCACTTAATCTCTACATGTCAATTTCTTACAGCTA
TAAATGATGGTATTTCAATAAATAAATAACATTAATAATGATATTATACTGACTAATTTGGGCTGTTT
TAAGGCTCAATAAGAAAATTTCTGTGAAAGTCTCTAGAAAATGTAGGTTCCATACAAAATAAAGATA
ACATTGTGCTTATA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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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_145005.7
Summary:	The protein encoded by this gene plays an important role in the regulation of endosomal trafficking, and has been shown to interact with Rab proteins that are involved in autophagy and endocytic transport. Expansion of a GGGGCC repeat from 2-22 copies to 700-1600 copies in the intronic sequence between alternate 5' exons in transcripts from this gene is associated with 9p-linked ALS (amyotrophic lateral sclerosis) and FTD (frontotemporal dementia) (PMID: 21944778, 21944779). Studies suggest that hexanucleotide expansions could result in the selective stabilization of repeat-containing pre-mRNA, and the accumulation of insoluble dipeptide repeat protein aggregates that could be pathogenic in FTD-ALS patients (PMID: 23393093). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2016]
Locus ID:	203228
MW:	46.6