

Product datasheet for **SC331111**

DOK7 (NM_001256896) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DOK7 (NM_001256896) Human Untagged Clone
Tag: Tag Free
Symbol: DOK7
Synonyms: C4orf25; CMS1B; CMS10; FADS3
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331111 representing NM_001256896.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTGGGTGCCTCAAGGCCACCCCAAGCCGCTGCGTCCGCGGCAGCTGCAGGAGTTGGCCGCCAG
AGCTCCTCGGACAGCGGCATCGCCACTGGCAGCCACTCCTCTTACTCCAGCAGCCTCTCGTCCTACGCG
GGCAGCAGCCTGGACGTGTGGCGGGCCACAGATGAACTGGGCTCACTGCTCAGCCTGCCAGCAGCGGGG
GCCCCGAGCCAGCCTGTGCACCTGCCTGCCCGGGACAGTCGAGTACCAGGTGCCACCTCCCTGCGG
GCCACTATGACACACCACGCAGCCTTTGCTGGCTCCTAGAGACCACAGCCCCCTCACAGGGCAGC
CCCGCAACAGTGCAGCCAGGACTCAGGCGGCCAGACGTCCGCCGGGTGCCCTCTGGCTGGCTGGGC
ACGAGACGGCGGGCCTGGTGATGGAGGCCCCAGGGCAGCGAGGCCACACTGCCTGGCCCTGCCCT
GGCGAGCCTGGGAAGCAGGCGGCCACCGGGGCCACCCCGGCTTTCTTTTCGGCATGTCCAGTC
TGTGGAGGACTCAAGGTAACCCCTCCTGA
```

Restriction Sites: SgfI-MluI
ACCN: NM_001256896
Insert Size: 585 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).



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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_001256896.1](#)

RefSeq Size: 2281 bp

RefSeq ORF: 585 bp

Locus ID: 285489

UniProt ID: [Q18PE1](#)

Cytogenetics: 4p16.3

MW: 19.7 kDa

Gene Summary: The protein encoded by this gene is essential for neuromuscular synaptogenesis. The protein functions in aneural activation of muscle-specific receptor kinase, which is required for postsynaptic differentiation, and in the subsequent clustering of the acetylcholine receptor in myotubes. This protein can also induce autophosphorylation of muscle-specific receptor kinase. Mutations in this gene are a cause of familial limb-girdle myasthenia autosomal recessive, which is also known as congenital myasthenic syndrome type 1B. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]
Transcript Variant: This variant (3) uses an alternate internal promoter and differs in the 3' UTR and coding sequence compared to variant 4. The encoded isoform (3) is significantly shorter at the N-terminus and has a shorter and distinct C-terminus compared to isoform 4.