

Product datasheet for **MG207350**

Dctn4 (NM_026302) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dctn4 (NM_026302) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dctn4
Synonyms:	1110001K06Rik; 4930547K17Rik; C130039E17Rik; p62
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207350 representing NM_026302
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCCCTGCTGCAGTCGGAGCGGGTTCTCTATCTCGTCCAAGGAGAAAAGAAGGTTGGGCTCCGC
 TCTCACAGCTCTACTTCTGCCGCTACTGCAGTGAGCTTCGATCGCTGGAATGTGTGTCGCACGAGGTGGA
 CTCACATTATTGTCCCAGCTGCTTAGAAAAACATGCCGTCAGCTGAAGCCAAATAAAAAGAATAGATGT
 GCCAACTGCTTTGACTGCTCCTGGATGCATGCACACCCCTTCTACCCGTGCAACAAGCATCTCCACACAGC
 TTCCCGATGACCCAGCCAAAACCACCATGAAGAAAGCCTATTACTTGGCCTGTGGATTTTGTGATGGAC
 ATCTAGAGATGTGGGCATGGCAGACAACTGTGCTAGTGGTGGTTGGCAAGAACCAGAAAACCCTCAC
 ACACAACGGATGAACAAGTTGATTGAGTATTACCAGCAGCTTGTCTCAGAAGGAAAAGGTCGAACGAGATC
 GCAAGAAGCTGGCAGCGGAAGAAATTACATGCCTTTGGCTTTTTCGGACAAGTACAGTCTTGGGACCAG
 GCTTCAGCGACCAGAGCTGGTGCATCCATCAGTACACTTGTCTGGACTTCCCTTAGAGAAGGAGAAGAT
 CAGAAAGAGGTGAAGATTGAGCCGGCTCAGGCTGTGCTGAAAGTGAGCCCTCTGCCTGAAGACTATTACA
 CGCGGCCAGTGAACCTAACAGAAGTGACCACCCCTTCAGCAGCGCCTCTTACAGCCCGACCTACAGCCAGT
 CTCTGCTTACAGCTTTATCCTCGACACAAGCACCTTCTGATCAAACGGTCCCTGCGCTGTCCGAAATGT
 GAGCACAACCTTGAGCAAGCCAGAATTTAATCCAACATCTATCAAATTCAAATCCAGTTGGTTGCTGTCA
 ATTATATCCAGAAGTGAGAATCATGTCAATCCCCAACCTTCGCTACATGAAGGAGAGCCAGGTCCTCTT
 GACTCTTACAAATCCAGTGGAGAACCTCACCATGTGACTCTGTTGGAGTGTGACGAGGGGGACCCTGAT
 AATATCAACAGCACTGCTAAGGTGGTGGTGCCTCCCAAAGAGCTCATCTTAGCCGGCAAGGATGCAGCAG
 CAGAATATGATGAGCTGGCAGAGCCCCAGGACTCCAGGATGACCTGACATCGTAGCTTTCAGAAAAGC
 CAACAAAGTGGGCATCTTCATCAAAGTACCCACAGCGTGAGGAAGGGGAAGTGACCGTGTGCTTCAAG
 ATGAAACACGATTTTAAAAACCTGGCTGCCCCATCCGCCAGTGAAGAAGGTGACCAAGGCACAGAGG
 TCATCTGGCTCACGCAGCACGTGGAGCTGAGCTTTGGCCCTCTTCTTCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207350 representing NM_026302
 Red=Cloning site Green=Tags(s)

MASLLQSERVLYLVQGEKKVRAPLSQLYFCRYCSELRSLECVSHEVDSHYCPSCLNMPSAEAKLKKNRC
 ANCFDCPGCMHTLSTRATSISTQLPDDPAKTTMKAYYLACGFCRWTSRDVGMDKSVASGGWQEPENPH
 TQRMNKLIEYYQLAQKEKVERDRKKLARRRNYMPLAFSDKYSLGTRLQRPRAGASISTLAGLSLREGED
 QKEVKIEPAQAVAEVEPLPEDYYTRPVNLTEVTTLQQRLLQPDLPVSASQLYPRHKHLLIKRSLRCRKC
 EHNL SKPEFNPTS IKFKIQLVAVNYIPEVRIMSIPNLRYMKESQVLLTLTNPVENLTHVTLLCEDEGDPD
 NINSTAKVVVPPKELILAGKDAAEYDELAEPQDFQDDPDIVAFRKANKVGIFIKVTPQREEGEVTVCFK
 MKHDFKNLAAPIRPVEEGDQGTEVIWLQHVLSFGPLLP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_026302

ORF Size: 1380 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

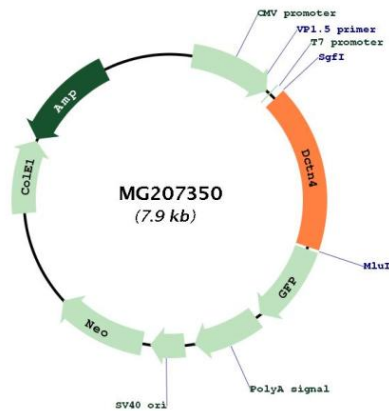
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_026302.4](#)

RefSeq Size: 3714 bp
 RefSeq ORF: 1383 bp
 Locus ID: 67665
 UniProt ID: [Q8CBY8](#)
 Cytogenetics: 18 D3

Gene Summary: Could have a dual role in dynein targeting and in ACTR1A/Arp1 subunit of dynactin pointed-end capping. Could be involved in ACTR1A pointed-end binding and in additional roles in linking dynein and dynactin to the cortical cytoskeleton.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207350