

Product datasheet for **RG209044**

MED25 (NM_030973) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MED25 (NM_030973) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MED25
Synonyms:	ACID1; ARC92; BVSYS; CMT2B2; P78; PTOV2; TCBAPO758
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209044 representing NM_030973
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCCCGGGTCCGAGGGCCCGCCCGCGGGAGCGTGGTGCCGACGTGGTGTGGTATTGATTGAGG
 GTACGGCCAACCTGGGACCCTACTTCGAGGGGCTCCGCAAGCACTACCTGCTCCCGGCCATCGAGTATTT
 TAATGGTGGTCTCTGCTGAGACGGACTTCGGGGGAGACTATGGGGGACCCAGTACAGCCTCGTGGTG
 TTCAACACAGTGGACTGCGCTCCCGAGTCTACGTACAATGTCACGCTCCACCAGCAGCGCCTATGAGT
 TTGTCACCTGGCTCGATGGCATTAAAGTTCATGGGCGGGGGTGGTGGAGCTGCAGCCTCATCGGGAAGG
 ACTCAGCACAGCCTTGCAGCTGTTTGTGACTTCAAGAAGATGCGCGAGCAGATTGGCCAGACGCCCGG
 GTCTGCCTCCTCATCTGCAACTACCCCATACTTGTTCCTGCTGTTGAGAGCACCACGTACTCTGGAT
 GCACAAGTGAATCTTGTGAGCAGATTGGGGAGCGGGGATCCACTTCTCATTGTGTCTCCCGGAA
 GCTGCCTCGCTTCGGCTTCTGTTTGAAGGCAGCCCCCGGCCTTGTGGAGCGCTGCAGCCTCCG
 ACAGATGTGAGCCAGGACCCGAGGCACATGGTGTGGTTCGGGGACTCGTGTGCCTGTTGGGGTGGCT
 CAGCCCCAGGCCCTCCAGTCAAAGCAGCCAGTCCCCCTGCCTCCCGCCGACCCCTCAGGTGCCACTCT
 CTCAGCAGCCCCCAGCAGCCTCTGCCCCCGTCCCCCGCAGTACCAGGTTCCCGGGAACCTGAGTGCA
 GCTCAGGTGGCCGCGCAGAATGCAGTGGAGGCTGCCAAGAACCAGAAGGCTGGGCTGGGCCCTCGTTCT
 CGCCATCACCCCTCTCCAACAAGCTGCTCCCGGAGTGGGTCCCCCTTCAGCCAGGCCCCAGCTCCCCA
 ACTACCCCAAGGACCCCTGGCGCCCCAAGCCACCACCTGCTTCCAGCCAGTCTGGTCTCCACTGTG
 GCCCTGGCTCCGGCTGGTCCCACGGCACAGCCCGGGCACCCTCCATGGCAGGCACTGTGGCCCCAG
 GAGGGGTGAGCGGCCCTCCCCAGCCAGCTGGGAGCCCAAGCCCTCGGTGGGAGCAGTCACTCCAA
 TAAGTTCCTGGCCTGGAGCGGGTCTGGAGTGGCAAGAGAAACCCAAACCTGCCTCAGTGGATGCCAAC
 ACCAAGCTGACGCGGTCACTGCCCTGCCAGGTCTACGTGAATCATGGCGAGAACCTGAAGACGGAGCAGT
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 TGTACTCGTCCAAGAAGAAGATCTTCATGGCCTCATCCCCTACGACCAGAGCGGCTTCGTCAACGGCAT
 CCGGCAGGTATACCAACCACAAGCAGGTCCAGCAGCAGAAGCTGGAGCAGCAGCAGCGAGGAATGGG
 GGACAGCAGGCACCCCAAGGCTGGGGCCATTCTGGAGGACCAAGCCAGGCCCTCACAGAATCTGCTCC
 AGCTCCGCCACCGCAGCCAGCCTCAGGATACCGTAGGGCCCTCTGGGGCCACGGGGCAGCCCCAGCC
 CCAAGGTACTGCCAGCCCCCGCAGGTGCCCTCAAGGCCCTCTGGAGCAGTCTTGGGCCACCCCT
 CCTGGACCATCTTCGGCCCCAGAACCCTGGGGCAACCCTCAGCTGCGAAGCCTCCTCTCAACCCAC
 CACCGCCGAGACTGGGGTGCCTCCACCCAGGCTCCTCCACCACCTCCAGCCACCAGGGGCTCCTGC
 GCTGTGCCTCCGCCGACACAGGGCTGGGGCAGCCCCAGTTGGGGCCCCACTCCTGCATCCACCACCT
 GCCAGTCTGGCCCGCACAACCTCCCCCTCGGGTCCACTGCCAGGTGAGTGTGCTGAGCGGGGTC
 CCCGGGGCCGGTCCCCAGCCGGGCTGCAGCCAGCGTTCATGGAGGACGACATCTCATGGATCTCAT
 C

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209044 representing NM_030973
 Red=Cloning site Green=Tags(s)

MVPGSEGPARGSVVADVVFVIEGTANLGPYFEGLRKHYLLPAIEYFNGGPPAETDFGGDYGGTQYSLVV
 FNTVDCAPESYVQCHAPTSSAYEFVTWLDGIKFMGGGGESCSLIAEGLSTALQLFDDFKKMREQIGQTHR
 VCLLICNSPPYLLPAVESTTYSGCTTENLVQQIGERGIHF SIVSPRKL PALRLLFEKAAPPALLEPLQPP
 TDVSDQPRHMLVVRGLVLPVGGGAPGGLQSKQPVPLPPAAPSGATLSAAPQQPLPPVPPYQVPGNL SA
 AQVAAQNAVEAAKNQKAGLGPRFSPITPLQQAAPGVGPPFSQAPAPQLPPGPPGAPKPPPASQPSLVSTV
 APGSLAPTAQPGAPSMAGTVAPGGVSGPSPAQLGAPALGGQSVSNKLLAWSGVLEWQEKPKPASVDAN
 TKLTRSLPCQVYVNHGENLKTEQWPQKLIMQLIPQQLLTTLGPLFRNSRMVQFHF TNKDLESKGLYRIM
 GNGFAGCVHFPHTAPCEVRVLM LLYSSKKKIFMGLIPYDQSGFVNGIRQVITNHKQVQQQKLEQQQRGMG
 GQQAPPGLGPILEDQARPSQNL LQLRPPQPQPQGTVGASGATGQPQPQGT A Q P P P G A P Q G P P P G A S G P P P
 PGPILRPQNPGANPQLRSL L L N P P P P Q T G V P P P Q A S L H H L Q P P G A P A L L P P P H Q G L G Q P Q L G P L L H P P P
 A Q S W P A Q L P P R A P L P G Q M L L S G G P R G P V P Q P L Q P S V M E D D I L M D L I

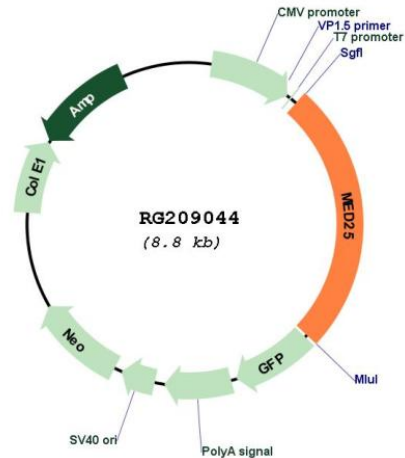
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_030973

ORF Size: 2241 bp

OTI Disclaimer: 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_030973.4](#)

RefSeq Size: 2335 bp

RefSeq ORF: 2244 bp

Locus ID: 81857

UniProt ID: [Q71SY5](#)

Cytogenetics: 19q13.33

Gene Summary: This gene encodes a component of the transcriptional coactivator complex termed the Mediator complex. This complex is required for transcription of most RNA polymerase II-dependent genes. The encoded protein plays a role in chromatin modification and in preinitiation complex assembly. Mutations in this gene are associated with Charcot-Marie-Tooth disease type 2B2. [provided by RefSeq, Apr 2010]