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Product datasheet for RC209044

MED25 (NM_030973) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MED25 (NM_030973) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MED25
Synonyms:	ACID1; ARC92; BVSYS; CMT2B2; P78; PTOV2; TCBAP0758
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC209044 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCCCCGGGTCCGAGGGCCCGGCCCGCGCCGGGAGCGTGGTGGCCGACGTGGTGTTTGTGATTGAGG
GTACGGCCAACCTGGGACCCTACTTCGAGGGGCTCCGCAAGCACTACCTGCTCCCGGCCATCGAGTATTT
TAATGGTGGTCCTCCTGCTGAGACGGACTTCGGGGGAGACTATGGGGGGACCCAGTACAGCCTCGTGGTG
TTCAACACAGTGGACTGCGCTCCCGAGTCCTACGTACAATGTCACGCTCCCACCAGCAGCGCCTATGAGT
TTGTCACCTGGCTCGATGGCATTAAGTTCATGGGCGGGGGTGGTGAGAGCTGCAGCCTCATCGCGGAAGG
ACTCAGCACAGCCTTGCAGCTGTTTGATGACTTCAAGAAGATGCGCGAGCAGATTGGCCAGACGCACCGG
GTCTGCCTCCTCATCTGCAACTCACCCCCATACTTGTTGCCTGCTGTTGAGAGCACCACGTACTCTGGAT
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GCTGCCTGCGCTTCGGCTTCTGTTTGAGAAGGCAGCCCCCCCGGCCTTGCTGGAGCCGCTGCAGCCTCCG
ACAGATGTGAGCCAGGACCCGAGGCACATGGTGCTGGTTCGGGGACTCGTGCTGCCTGTTGGGGGTGGCT
CAGCCCCAGGCCCCCTCCAGTCAAAGCAGCCAGTCCCCCTGCCTCCCGCCGCACCCTCAGGTGCCACTCT
CTCAGCAGCCCCCCAGCAGCCTCTGCCCCCCGTCCCCCCGCAGTACCAGGTTCCCGGGAACCTGAGTGCA
GCTCAGGTGGCCGCGCAGAATGCAGTGGAGGCTGCCAAGAACCAGAAGGCTGGGCTGGGCCCTCGCTTCT
CGCCCATCACCCCTCTCCAACAAGCTGCTCCCGGAGTGGGTCCCCCCTTCAGCCAGGCCCCAGCTCCCCA
ACTACCCCCAGGACCCCCTGGCGCCCCCAAGCCACCACCTGCTTCCCAGCCCAGTCTGGTCTCCACTGTG
GCCCCTGGCTCCGGCCTGGCTCCCACGGCACAGCCCGGGGCACCGTCCATGGCAGGCACTGTGGCCCCAG
GAGGGGTGAGCGGCCCTTCCCCAGCCCAGCTGGGAGCCCCAGCCCTCGGTGGGCAGCAGTCAGTCTCCAA
TAAGCTTCTGGCCTGGAGCGGGGTCCTGGAGTGGCAAGAGAAACCCAAACCTGCCTCAGTGGATGCCAAC
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TGTACTCGTCCAAGAAGAAGATCTTCATGGGCCTCATCCCCTACGACCAGAGCGGCTTCGTCAACGGCAT
CCGGCAGGTCATCACCAACCACAAGCAGGTCCAGCAGCAGAAGCTGGAGCAGCAGCAGCGAGGAATGGGG
GGACAGCAGGCACCCCCAGGGCTGGGGCCCATTCTGGAGGACCAAGCCAGGCCCTCACAGAATCTGCTCC
AGCTCCGCCCACCGCAGCCCCAGCCTCAGGGTACCGTAGGGGCCTCTGGGGCCACGGGGCAGCCCCAGCC
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CCTGGACCCATCCTTCGGCCCCAGAACCCTGGGGCCAACCCTCAGCTGCGAAGCCTCCTCCTCAACCCAC
CACCGCCGCAGACTGGGGTGCCCCCACCCCAGGCCTCCCTCCACCACCTCCAGCCACCAGGGGCTCCTGC
GCTGCTGCCTCCGCCGCACCAGGGCCTGGGGCAGCCCCAGTTGGGGCCCCCACTCCTGCATCCACCACCT
GCCCAGTCCTGGCCCGCACAACTTCCCCCTCGGGCTCCACTGCCAGGTCAGATGCTGCTGAGCGGGGGTC
CCCGGGGCCCGGTCCCCCAGCCGGGCCTGCAGCCCAGCGTCATGGAGGACGACATCCTCATGGATCTCAT
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209044 protein sequence
Red=Cloning site Green=Tags(s)

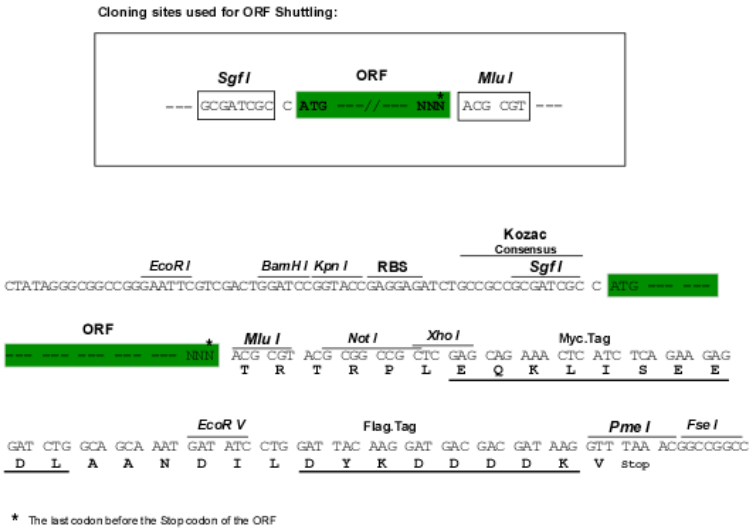
MVPGSEGPARAGSVVADVVFVIEGTANLGPYFEGLRKHYLLPAIEYFNGGPPAETDFGGDYGGTQYSLVV
FNTVDCAPESYVQCHAPTSSAYEFVTWLDGIKFMGGGGESCSLIAEGLSTALQLFDDFKKMREQIGQTHR
VCLLICNSPPYLLPAVESTTYSGCTTENLVQQIGERGIHFSIVSPRKLPALRLLFEKAAPPALLEPLQPP
TDVSQDPRHMVLVRGLVLPVGGGSAPGPLQSKQPVPLPPAAPSGATLSAAPQQPLPPVPPQYQVPGNLSA
AQVAAQNAVEAAKNQKAGLGPRFSPITPLQQAAPGVGPPFSQAPAPQLPPGPPGAPKPPPASQPSLVSTV
APGSGLAPTAQPGAPSMAGTVAPGGVSGPSPAQLGAPALGGQQSVSNKLLAWSGVLEWQEKPKPASVDAN
TKLTRSLPCQVYVNHGENLKTEQWPQKLIMQLIPQQLLTTLGPLFRNSRMVQFHFTNKDLESLKGLYRIM
GNGFAGCVHFPHTAPCEVRVLMLLYSSKKKIFMGLIPYDQSGFVNGIRQVITNHKQVQQQKLEQQQRGMG
GQQAPPGLGPILEDQARPSQNLLQLRPPQPQPQGTVGASGATGQPQPQGTAQPPPGAPQGPPGAASGPPP
PGPILRPQNPGANPQLRSLLLNPPPPQTGVPPPQASLHHLQPPGAPALLPPPHQGLGQPQLGPPLLHPPP
AQSWPAQLPPRAPLPGQMLLSGGPRGPVPQPGLQPSVMEDDILMDLI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6858_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030973

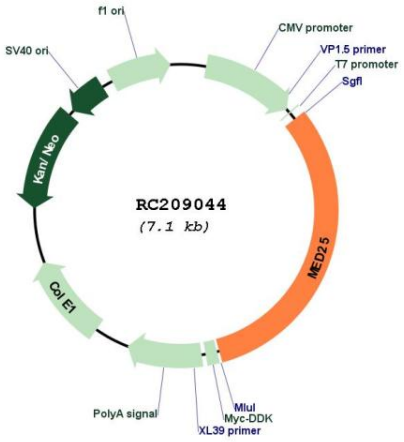
ORF Size: 2241 bp

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

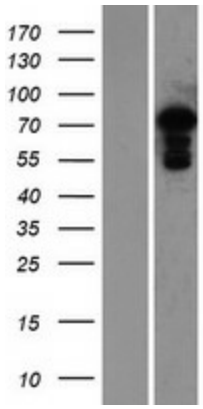
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	2361 bp
RefSeq ORF:	2244 bp
Locus ID:	81857
UniProt ID:	Q71SY5
Cytogenetics:	19q13.33
MW:	78.2 kDa
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]

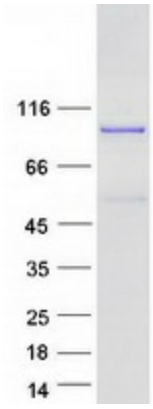
Product images:



Circular map for RC209044



Western blot validation of overexpression lysate (Cat# [LY410636]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209044 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MED25 protein (Cat# [TP309044]). The protein was produced from HEK293T cells transfected with MED25 cDNA clone (Cat# RC209044) using MegaTran 2.0 (Cat# [TT210002]).