

Product datasheet for **RG216283**

MED14 (NM_004229) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MED14
Synonyms:	CRSP2; CRSP150; CSRP; CXorf4; DRIP150; EXLMI; RGR1; TRAP170
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216283 representing NM_004229
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCCAGTGCAGCTGGAGAACCACAGCTGGTCCCGCCCGGAGGCGGCGGGGCGAGCGCGGAC
CCCCGTGAGCCCCAGCCCTCCTCCCCGGGAGCCGCGTGCGGCGGCGCGCTGCAGCTGCGGCTAGCCC
GGGCTACCGGCTGAGCACCCCTCATTGAATTTCTGCTGCACCGGCGCTACTCGGAGCTTATGGTGTGACG
GACCTACTGCCAAGGAAATCTGATGTGGAAGGAAAAAGAAATAGTGCAGTTTGCTAGCCGGACACGCC
AACTCTTCGTTTCGATTATTAGCTTTAGTGAAATGGGCTAATAATGCTGGCAAAGTGGAATAATGTGCGAT
GATTTCAAGCTTTTATGATCAGCAAGCCATCCTGTTTGTGGACACTGCTGATCGCCTGGCCTCGTTAGCT
AGAGATGCTCTGGTCCATGCACGCTGCCTAGTTTGGCATCCCATATGCCATTGATGTACTAACTACTG
GATCTTACCCACGGCTGCCAACCTGCATTAGGGACAAAATTATCCTCCAGACCCAATTACCAAAATTGA
AAAACAAGCCACACTCCATCAGCTGAATCAGATTCTTAGACATCGGCTTGAACACAGATCTTCTCCT
CAGTTAGCAAACTTACAGTTGCAATGGCCGGTGAAGTTTCGTGTTGAAGGAGAATTTGAAGCCACCT
TGACTGTGATGGGAGATGACCTGATGTTCCATGGCGTCTTCTCAAGCTAGAAATTTAGTTGAGGATAA
GGAAACAGGAGATGGCGAGCTTTGGTTCATAGCATGCAATCAGCTTCATCCATCACTGGTGCACTCT
AGGCTCTTTGCTGATGAGAACTCTTCAGGATATGTACAACCTGCCTACATTTCTTCTGTTTATCACTTC
AGTTAGAAGTGTACATTCCCAAACTCTAATGTTAATCCGAGAACGGTGGGAGACCTTGTGCAAGTGGA
AAGGTATCATGCTGGAAGTGCCTCTCCCTTTCAAGTTGGAATCAACAGGTTCTTGGGAGAAAACTGGA
ACAGCATCTGTTCAAAAGTTACAATTTAAATTTGATGAGAATGATGTCTCAAGCCTTTACAGATTTTTC
ACGATCCTCCTTTGCCAGCTTCTGATTCCAAATAGTAGAAAGAGCCATGAAGATCGACCACTTATCAAT
AGAAAACTCCTGATTGACAGTGTCCATGCAAGAGCTCATCAGAAGCTCCAAGAACTGAAGGCCATTCTT
AGAGGCTTCAATGCCAATGAAAACCTTCCATAGAGACTGCACTCCAGCTCTGTTGTTCCCATCTTGG
AGCCCTGTGGTAATTCAGAGTGTCTGCACATTTTGTAGATTTACATTCTGGAATGTTTCAATTGATGCT
TTATGGACTTGACCAGGCCACTCTGGATGACATGGAGAAGTCTGTGAATGATGATATGAAACGAATCATA
CCCTGGATTGACAACTTAAGTTTGGCTTGGACAACAGCGTTGAAGCAGTCTATAAAACATCTGCCTA



CGATAAGCAGTGAAACATTGCAGCTTTCCAATTACTCAACTCATCCTATTGGAACCTTTCTAAGAATAA
 ACTGTTTCATTAACCTTACCCGCCTTCCACAATACTACATTGTTGTGGAGATGTTGGAGGTTCCCAATAAA
 CCCACACAAGTGTGTCAGTACTACTTTATGTCTGTGAATGCTGCAGATCGTGAAGACAGCCCTGCAA
 TGGCATTGCTGCTGCAGCAGTTCAAGGAAAACATTGAGGACTTGGTTTTTCGTACAAAAACCGGAAACA
 GACCAGAACCAATGCCAAGCGCAAGTTGTCTGATGATCCATGTCCAGTAGAATCCAAGAAAAACAAACGA
 GCAGGAGAAATGTGTGCCTTCAATAAAGTTTTAGCCCACTTCGTCGCTATGTGTGATACAAATATGCCAT
 TTGTAGGACTTCGGTTGGAGTTGTCCAATCTGGAGATTCCACATCAAGGAGTGAAGTGAAGGTGATGG
 CTTTCAGCCATGCAATTTCGCTTATTAATAAATTCCTCCCTGTAAGGGTATAACTGAGGAAACCCAAAGGCT
 CTGGACCGCTCTCTTCTTGATTGCACTTTCCGATTACAAGGTAGAAATAACCGCACTTGGGTAGCAGAGT
 TAGTGTGTTGCAAAATGTCCACTTAATGGCACTTCTACTAGGGAGCAAGGACCATCCCGGCACGTTTACCT
 GACATATGAAAATCTGTTGTCTGAGCCTGTTGGTGGTAGAAAGGTGGTTGAAATGTTTCTTAATGACTGG
 AATAGCATTGCACGATTATATGAGTGTGTGTTGGAATTTGCACGTTCTCTACCAGACATACCTGCTCATC
 TAAATATTTTCTCAGAAGTTCTGTGTTATAATTACCGAAAACCTTATCTTGTTATGGAACCAACAGGG
 AAGCTCAATTAGTATCCAATGGAATTCGATCCATCAAAAAATCCACATTTCTTTGGGAACGTTGGCCCA
 AACTCAGGTTGCAGTAAGTGTACAATAACATTCTCCATCAGCTTCAAGAAATGTTCAACAAAACACCAA
 ATGTGGTTCAAGTATTACAGGTAAGTGTGATGATGAGGCTCCATTAATGCCATCAACAACTCCCCAC
 TGTGCCGATGTTGGGCTTGACCCAGAGAACCAATACTGCCTACCAAGTGTCTCTCATCTGCCACAGTCG
 TCCACCCACATCAGACTGGCCTTCAGGAACATGATTGCAATGATATATACTGCCGGAGTCGAGGTGTTG
 TGGCAATACGGGATGGTGCCTATAGTCTTTTTGATAACAGCAAACTAGTTGAAGGTTTCTATCCTGCACC
 AGGACTAAAGACGTTTCTGAATATGTTTGTGACAGCAATCAGGATGCTCGAAGAAGGTCTGTAATGAG
 GACGATAATCCCCCTTCTCTATAGGAGGAGATATGATGGATTCTTAAATATCGCAGCTCCAGCCACCAC
 CCCAGCAACAGCCATTTCCAAAGCAGCCAGGAACATCAGGTGCTTATCCTCTTACTTCAACCCCTACATC
 TTATCATAGCACAGTCAATCAGTCTCCCTCAATGATGCACACAGTCTCCAGGAAATCTGCATGCTGCC
 AGCTCCCCCAGTGGGGCTTGGAGAGCCCATCACCAGCGTCATTTGTTCCAACCTCTCCCCCATCTCGC
 ATGGAATCTCAATAGGACCAGGGGCCAGTTTGTAGTCCACATGGAACCTTGACCCATAGTTCCCCATA
 CACTATGGTGTACCAAGTGGACGAGCAGGGAAGTGGCCAGGATCTCCTCAAGTGTCTGGCCCTCACCA
 GCAGCACGATGCCTGGAATGTCACCAGCAACCCCTCACTACATTCTCCGGTTCCAGATGCTTCTCATT
 CCCCTCGAGCTGGAACAAGTTCTCAAACAATGCCAACAACATGCCTCCACCTCGTAAACTACCTCAGCG
 CTCTTGGGCGGCATCCATACCTACCATCTCACTCACAGTGCCTTGAACATTTTACTGCTGCCCTCTCCA
 ACTCCAGGCCTTGTGCCGCGCTGGCAGGTAGTTACCTTTGTTCTCCACTTGAGAGATTCTTGGATCAG
 TCATCATGAGACGACATCTTCAAAGAATTATTCAACAAGAAACGCTGCAGCTGATAAATTCTAATGAACC
 CGGAGTGATCATGTTTAAGACTGATGCACTGAAATGCAGAGTAGCTCTTAGTCCCAAAACCAACCAACG
 CTTTCAGCTAAAAGTGACACCTGAAAATGCAGGACAGTGGAACCTGATGAACCTCAAGTTTTGGAGAAAT
 TCTTTGAAACAAGAGTTGCAGGACCACCATTTAAAGCTAATACGTTAATAGCCTTCACCAAGCTATTAGG
 AGCTCCTACACACATCTCAGGGATTGTGTGCACATTATGAAGCTGGAGCTGTTCCCTGACCAAGCAACA
 CAGTAAAAATGGAATGTTCAAGTTTTGCCTGACGATCCCTCCAGCGCGCCGCGGATTGCACCTCCTGGGA
 CGCCTGCTGTGGTGTGAAATCCAAAATGCTATTTTTCTTCAACTAACTCAGAAAACATCGGTCCCTCC
 CCAAGAACCTGTTAGTATTATAGTTCCAATCATTTATGACATGGCTTCAGGTACAACCCAGCAGGCAGAC
 ATTCCAGACAGCAGAACTCTTCTGTTGCTGCTCCCATGATGGTCAGCAACATTCTGAAGAGTTTGCAG
 AGATGAATCCACCACGACAAGGTGAATGCACAATATTTGCAGCTGTTCGTGATTTAATGGCTAATCTTAC
 ACTGCCCCCTGGTGGGCGTCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216283 representing NM_004229

Red=Cloning site Green=Tags(s)

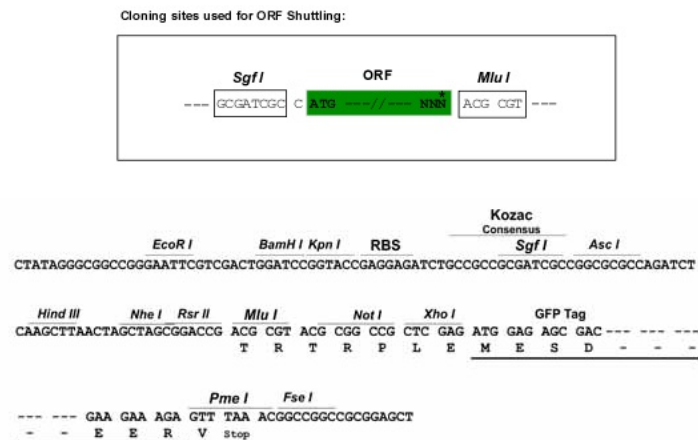
MAPVQLENHQLVPPGGGGGGSGPPSAPAPPPGAAVAAAAAASPGYRLSTLIEFLLHRAISELMVL
DLLPRKSDVERKIEIVQFASRTRQLFVRLALVKWANNAGKVEKCAMISSFLDQQAILFVDTADRLASLA
RDALVHARLPFAIPYAIDVLTGTSYPRPTCIRDKIIPDPITKIEKQATLHQLNQILRHRLVTTDLPP
QLANLTVANGRVKFRVEGEFEATLTMGDDPDVPWRLKLEILVEDKETGDGRALVHSMQISFIHQLVQS
RLFADKPLQDMYNCLHSFCLSLQLEVLHSQTLMLIRERWGDLVQVERYHAGKCLSLSVWNQQVLGRKTG
TASVHKVTIKIDENDVSKPLQIFHDPPLPASDSKLVERAMKIDHLSIEKLLIDSVHARAHQKLQELKAIL
RGFNANENSSIETALPALVVPILPCGNSECLHIFVDLHSGMFQLMLYGLDQATLDDMEKSVNDMDKRII
PWIQQLKFWLGQQRCKQSIKHLPTISSETLQLSNYSTHPIGNLSKNKLFIKLTRLPQYYIVVEMLEVPNK
PTQLSYKYFMSVNAADREDSAMALLLQQFKENIQDLVFRKTGKQTRTNAKRKLSDDPCPVESKTKR
AGEMCAFNKVLAFVAMCDTNMPFVGLRLELSNLEIPHQGVQVEGDGFSHAIRLLKIPPCGITEETQKA
LDRSLLDCTFRLQGRNRTWVAELVFANCLNGTSTREQGSRHVLYTYENLLSEPVGGRKVVEMFLNDW
NSIARLYECVLEFARSLPDIPAHNLIFSEVRVYNYRKLILCYGTTKGSSISIQWNSIHQKFHISLGTGVP
NSGCSNCHNTILHQLQEMFNKTPNVVQLLQVLFDTQAPLNAINKLPTVPMLGLTQRTNTAYQCFILPQS
STHIRLAFRNMYCIDIYCRSGVVAIRDGAYSLFDNSKLVEGFYPAPGLKTFNMFVDSNQDARRRSVNE
DDNPPSPIGGDMMDSLISQLQPPPPQPPFPKPGTSGAYPLTSPPTSYPSTVNQSPSMMHTQSPGNLHAA
SSPSGALRAPSPASFVPTPPSSSHGISIGPGASFASPHGTLDPSSPYTMVSPSGRAGNWPSPQVSGPSP
AARMPPGMSANPSLHSPVPDASHSPRAGTSSQTMPTNMPPPRKLPPQSWAASIPTILTHSALNILLPS
TPGLVPLAGSYLCSPLERFLGSVIMRRHLQRIIQEQLQLINSNEPGVIMFKTDALKCRVALSPKNTQT
LQLKVTENAGQWKPDELQVLEKFFETRAGPPFKANTLIAFTKLLGAPTHILRDCVHMKLELFPDQAT
QLKWNVQFCLTIIPPSAPPIAPPPTAVVLKSKMLFFLQLTQKTSVPPQEPVSIIVPIIYDMASGTTQQAD
IPRQNSSVAAPMMVSNILKRFAEMNPPRQGECTIFAAVRDLMANLTLPPGGRP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

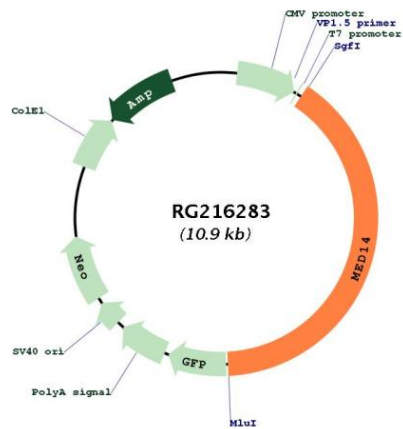
NM_004229

ORF Size:

4362 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_004229.4
RefSeq Size:	6768 bp
RefSeq ORF:	4365 bp
Locus ID:	9282
UniProt ID:	O60244
Cytogenetics:	Xp11.4
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. This protein contains a bipartite nuclear localization signal. This gene is known to escape chromosome X-inactivation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216283