

Product datasheet for **RN207753**

Med28 (NM_001107217) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Med28 (NM_001107217) Rat Untagged Clone
Tag: Tag Free
Symbol: Med28
Synonyms: Eg1; FKSG20; RGD1305875
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN207753 representing NM_001107217
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGTCCCTGGGAGGGATGTTCCGCCGCCAGCCTCCAGGACCTCCTCCGCCACCGCCGGGCTCC
CAGGCCAGGCGTCGTTCTACAAGCAGCCCTGGGGCTCCGAGACCATCTAACAGCACTTTGGTGGACGA
GTTGGAATCATCATTGAGGCTTGCTTTGCTTCCCTTGAGTCCAGGATTATGTCAATGGGACTGATCAG
GAAGAAATCGAACTGGTGTGATCAGTGTATCCAGAAGTTTTGGACATTGCAAGACAGACAGAATGCT
TTTTCTTACAAAAAGGTTGCAATTGTCTGTCCAGAAACCAGATCAAGTTATCAAAGAGGATGTCTCAGA
ACTAAGGAGTGAATTGCAGCGGAAAGATGCTCTGGTCCAGAAGCACTTGACAAAAGTGGACATTGGCAG
CAGGTGCTGGAAGACATCAATGTGCAGCACAAGAAGCCAGCCGACATGCCTCAGGGCTCCTTGGCCATACC
TTGAGCAGGCATCTGCCAACATACCTGCACCTCTGAAGCAGAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001107217
Insert Size: 537 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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001107217.1, NP_001100687.1</u>
RefSeq Size:	2089 bp
RefSeq ORF:	537 bp
Locus ID:	305391
UniProt ID:	<u>P68943</u>
Cytogenetics:	14q11
Gene Summary:	May be part of a complex containing NF2/merlin that participates in cellular signaling to the actin cytoskeleton downstream of tyrosine kinase signaling pathways (By similarity). Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors.[UniProtKB/Swiss-Prot Function]