

Product datasheet for **RC235645**

GDNF (NM_001278094) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GDNF (NM_001278094) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GDNF
Synonyms: GDNFOS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235645 representing NM_001278094
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGTCACCACAGGCACTGTGATTTCCCTGTCTTCATCCAACCTTGGTTGCTGTTCTTCATGCTCAGGA
ATTCTGCAACTGCTGTAGCTTTTGCTGTTGTTATGTCTGTAGGTATGGACTCATTCTACCATTCTGGAA
TGAACATTATTTCAAGGAAGCTTCTCATTGTAAGGTCACACATTCAGAAGGAACTGGGAGTACA
TTTTCTCATAGGCCTGGAGCATTAACTGACTATGCATCTTCCCCTCAGTGTTCATCATGTTGTAAGG
GGATGAGTCATGGACAACATTTTCACACACATACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235645 representing NM_001278094
Red=Cloning site Green=Tags(s)

MCHHRHCDPVPV IQLWLLFFMLRNSATAVAFVMSVGMDSFLPFWNETLFGQKLLIVKGPHIQKETGST
FSHRPGALTDYASFPSVLSSCCKGMSHGQHFHTHT

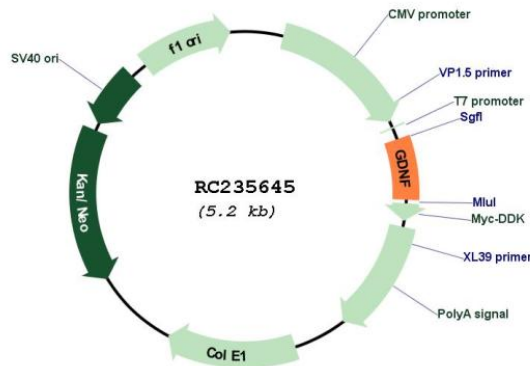
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001278094

ORF Size: 315 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:	<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_001278094.1</u> , <u>NP_001265023.1</u>
RefSeq Size:	1963 bp
RefSeq ORF:	318 bp
Locus ID:	100861519
Cytogenetics:	5p13.2
MW:	12.3 kDa