

Product datasheet for **RG235645**

GDNF (NM_001278094) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GDNF (NM_001278094) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GDNF
Synonyms: GDNFOS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235645 representing NM_001278094.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGTACCACAGGCACTGTGATTTCCCTGTCTTCATCCAACCTTGGTTGCTGTTCTTCATGCTCAGG
AATTCTGCAACTGCTGTAGCTTTTGTGTTGTTATGTCTGTAGGTATGGACTCATTCTACCATTCTGG
AATGAAACATTATTTCAAGGGAAGCTTCTCATTGTAAAAGGTCCACACATTCAGAAGGAAACTGGGAGT
ACATTTTCTCATAGGCCCTGGAGCATTAACTGACTATGCATCTTTCCCTCAGTGTGTGCATCATGTTGT
AAGGGGATGAGTCATGGACAACATTTTCACACACATACG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235645
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MCHRRHCDPVPFIQLWLLFFMLRNSATAVAFAVMSVGMDSFLPFWNETLFQGLLIVKGPHIQKETGS
TFSHRPGALTDYASFPSVLSGCCGMSHGQHFHTHT
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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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).
RefSeq:	NM_001278094.1 , NP_001265023.1
RefSeq Size:	1963 bp
RefSeq ORF:	318 bp
Locus ID:	100861519
Cytogenetics:	5p13.2
MW:	12.3 kDa