

Product datasheet for **RG207997**

ZNF677 (NM_182609) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF677 (NM_182609) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF677
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207997 representing NM_182609
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCTTTCTCAGGGACTGTTTACATTCAAGGATGTGGCCATAGAATTCTCTCAAGAGGAGTGGGAGT
 GCCTGGACCCCTGCCAGAGGGCCTTGACAGGGACGTGATGTTGGAGAACTACAGGAACCTGCTTTCTCT
 CGATGAGGATAACATCCCTCCAGAAGATGATATTTCTGTTGGATTTACAAGCAAGGGATTATCACCAAAG
 GAAAAATAAAGAGGAATTATACCATCTGGTATATTAGAAAAGAAAGAAAGCCATGGCATCAACAATT
 TTGACCTCAAGGAAGTCTGGGAAAAATAGCCTAAGTTTGACAGCCTGTGGGACTATGATGTAAAAATTA
 CAAAGGAATGCCTTTGACCTGTAAACAAAATCTCACTCACAGAAAAGATCAACAACATAATAAATCTCTCA
 ATACATTTCTCTTAAAGCAGAGTGTCTATAAGAGATAGTGCACACCAGTATTTCCATCCATGACAAGC
 CATTATAAGGAATTTGTTAAACTGAAAAATAACATAAGGTATGCCGAAACAAATACGTGAAGTGT
 TAAAAATAAATTTGGATTAAGCTTACAGGCACAGCTGGCTGAACACAGAGATTTCAAACGGGGAGAAA
 ATGTATGAATGAATCCAGTTGAGAAGTCTATCAATAGTTCCTCAGTTTACCACCTTCTCTTGTGTCA
 AAAACATTTGTAATAATATAGGAAGATTTGAAATACCCCTTTATTACATACACAGTATGGGAGAACACA
 CATTAGAGAAAAATCATACAAGTGAATGACTGTGGAAAGGCTTTTAGCAAAAAGTTTGAACCTCACTAAT
 CATCAGAGAATTCACCTCTGGACAGAGACCTTACAAATGTAAACGAGTGTGGCAAAGCCTTTAACAGTGT
 CGAACCTCACTAGGCATCAGAGAGTCCATACAGGAGAGAAACCATATCAATGTAATATATGTGGCAAGGT
 CTGTAGTCAAAATTCAAATCTTGAAGTCAACAGAGTGCATACTGGAGAGAAACCTTACAAATGTAAT
 GAATGTGGTAAGGCATTTATCCAGCGTTCACACCTTTGGGGTTCATGAAAGAATTCATACTGGAGAGAAAC
 CTTACAAATGTAATGAATGTGACAAAGCCTTTGCTGAACGTTCAAGCCTTACCAACATAAGAGAATCCA
 TACTGGAGAGAAGCCTTACATATGTAATGAGTGTGGCAAAGCTTTTAAGCAGTGCCTCACATCTCACTAGG
 CATCAGAATATACATCCTGGAGAGAAACACACAATGTAAATGTGTGTGGCAGGGCTTTTATCCAAAGTT
 CAAGTCTTGTGGAACATCAGAGAATTCACACTGGAGAAAAACCTTACAAATGTAATAAATGTGATAAAGC
 TTTTATCAAACGTTACACCTTTGGGGTTCATCAGAGAACTCATACTGGAGAGAAACCTTACAAATGTACT
 GAATGTGGCAAAGCCTTTACTGAACGTTCAAATCTTACTCAGCATAAGAAAAATCCATACTGGAGAGAAAC
 CTTACAAATGTACTGAATGTGGCAAAGCCTTTACCAATTTGCAAACCTCACTAGACACCAGAAAAATACA
 CATTGAAAAGAAACATTGTAACATAATATACATGGTAATGCTTTATTCCAAAGTTCAAACCTTGGAGAT
 CATCAAAAAGTTATAATAGAGAAAAACATATCAATATAATGAGACAAAATTAAGTATCAAGCTGTA
 CC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207997 representing NM_182609
 Red=Cloning site Green=Tags(s)

MALSQLLFTFKDVAIEFSQEWECLDPAQRALYRDVMLENYRNLLSLDEDNIPPEDDISVGFTSKGLSPK
 ENNKEELYHLVILERKESHGINNFDLKEVWENMPKFDLSLWDYDVKNYKGMPLTCNKNLTHRKDQQHNKSS
 IHFSLKQSVSIRDSAHQYFIHDKPFI RNLLKLNIRYAGNKYVKCFENKIGLSLQAQLAELQRFQTGEK
 MYECNPVEKINSVSSVPLPPCVKNI CNKYRKILKYPLLHTQYGRTHIREKSYKCNDCGKAFSKSSNLTN
 HQRHSGQRPYKCNECGKAFNQCSNLTRHQRVHTGEKPYQCNICGKVCQSNSLASHQRMHTGEKPYKCN
 ECGKAFIQRSHLWGERIHTGEKPYKCNCDKAF AERSSLTQHKRIHTGEKPYICNECGKAFKQCSHLTR
 HQNIHPGEKPHKCNVCGRAFIQSSSLVEHQRIHTGEKPYKCNCDKAFIKRSHLWGHQRHTHTGEKPYKCT
 ECGKAFTERSNTQHKRIHTGEKPYKCTECGKAF TQFANLTRHQKIHIEKKHCKHNIHGNA LFQSSNLGD
 HQKSYNREKHIKYNETKIKYSSCT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_182609

ORF Size: 1752 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_182609.3](#)

RefSeq Size: 3510 bp

RefSeq ORF: 1755 bp

Locus ID: 342926

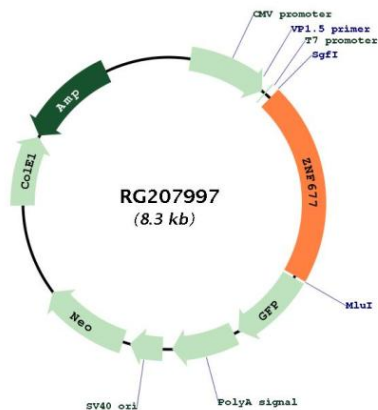
UniProt ID: [Q86XU0](#)

Cytogenetics: 19q13.42

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207997