

Product datasheet for **RG210353**

C12orf29 (NM_001009894) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf29 (NM_001009894) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C12orf29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210353 representing NM_001009894 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCGCTTGGGCTCCGTGCAGCGGAAAATGCCGTGTGTGTTGTGACGGAGGTGAAAGAGGAGCCTT
CCTCCAAAAGGGAGCATCAGCCATTTAAAGTTTTGGCAACTGAACTGTAAGTCACAAGGCATTAGATGC
AGATATACAGTGCAATTCCAACAGAAAAAGTGGATGGAACATGTTGTTATGTTACTACCTATAAAGAT
CAGCCATACCTTTGGGCTCGACTAGATAGAAAACCAACAACAAGCTAAAAAAGATTTAAAAATTTTC
TACATTCAAAAGAAAACCCAAAAGAATTTTTTTGGAACGTTGAGGAGGACTTCAAACCAGCTCCGGAGTG
CTGGATACCAGCAAAGGAGACAGAAACAATAAATGGGAACCCAGTGCCTGATGAAAATGGACACATTCTT
GGTTGGGTACCAGTAGAGAAAAACAACAACAGTATTGCTGGCATTCTCTGTAGTTAATTATGAATTTG
AAATTGCCTGGTACTAAAAATCATCCTGATGATTCTGGACTTTTGGAAATTAGTGCAGTGCCACTTTC
AGATCTCTTAGAACAAACACTGGAATCATAGGAACAAATATCAATGGAAACCCATATGGTTAGGGAGC
AAGAAACATCCATTACATCTTCTTATACCACATGGAGCATTTCAAATAAGAAATCTACCTTCATTGAAGC
ACAATGATCTCGTGTCTGGTTTGAAGATTGCAAAGAGGGTAAAATTGAAGGAATAGTGTGGCATTGCAG
TGATGGCTGTTTAAATAAGGTCCATCGCCATCATCTTGGCTTATGCTGGCCAATTCAGATACTTACATG
AATTCAAGACCAGTTATTATCAACATGAACCTGAACAAATGTGACTCTGCCTTTGATATTAAGTGTGTTGT
TTAATCATTTTTTAAAAATAGATAATCAGAAATTTGTTAGACTCAAAGATATAATATTTGATGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210353 representing NM_001009894
 Red=Cloning site Green=Tags(s)

MKRLGSVQRKMPCVFVTEVKEEPSSKREHQPFKVLATETVSHKALDADIYSAIPTEKVDGTCCYVTYKD
 QPYLWARLDRKPNKQAKRKFKNFLHSKENPKKEFFWNVEEDFKPAPECWIPAKETEIQINGNPVPDENGHIP
 GWVPVEKNNKQYCWSSVNYEFEIALVLKHPDDSGLLEISAVPLSDLLEQTLELIGTNINGNPYGLGS
 KKHPLHLLIPHGAFQIRNLP SLKHNDLVSWFEDCKEKGIEGIVWHCSDGCLIKVHRHHLGLCWPIPDITYM
 NSRPVIIINMNLNKCDSAFDIKCLFNHFLKIDNQK FVRLKDIIIFDV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001009894

ORF Size: 975 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_001009894.2](#), [NP_001009894.2](#)

RefSeq Size: 2895 bp

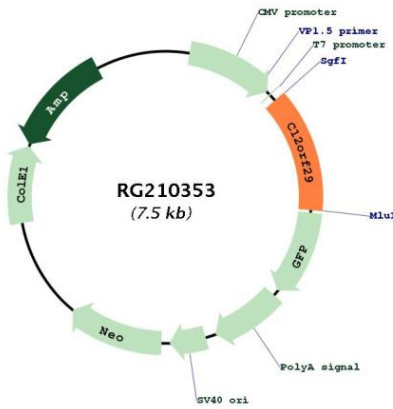
RefSeq ORF: 978 bp

Locus ID: 91298

UniProt ID: [Q8N999](#)

Cytogenetics: 12q21.32

Product images:



Circular map for RG210353