

Product datasheet for **RG215121**

Quiescin Q6 (QSOX1) (NM_002826) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Quiescin Q6 (QSOX1) (NM_002826) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Quiescin Q6
Synonyms:	Q6; QSCN6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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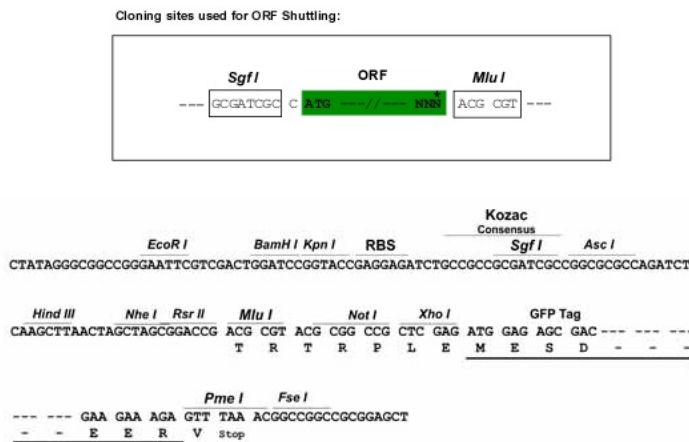
Protein Sequence: >RG215121 representing NM_002826
Red=Cloning site Green=Tags(s)

MRRCNSSGSPPPSLLLLLLLWLLAVPGANAAPRSALYSPSDPLTLLQADTVRGAVLGSRSAAWAVEFFASWC
 GHCIAPFTWKALAEVDKAWRPALYLAALDCAEETNSAVCRDFNIPGFPTVRFKFAFTKNGSGAVFPVAG
 ADVQTLRERLIDALESHHDTWPPACPPLEPAKLEEIDGFFARNNEEYLALIFEKGGSYLGREVALDLSQH
 KGVAVRRVLNTEANVVRKFGVTDFFPSCYLLFRNGSVSRVPVLMESRSFYATYLQRLSGLTREAAQTTVAF
 TTANKIAPTVMKLRADRSKIYADLESALHYILRIEVGRFPVLEGGQRLVALKKFVAVLAKYFPGRPLVQNF
 LHSVNEWLKRQKRNIPIYSFFKTALDDRKEGAVLAKKVNWIGCQGSEPHFRGFP CSLWVLFHFLTVQAAR
 QNVDSQEAAKAKEVLP AIRGYVHYFFGCRDCASHFEQMAAASMRVHGSPNAAVLWLVSSHNVRNARLAG
 APSEDPQFPKVVPPRELCSACHNERLDVPVWDVEATLNF LKAHFSPSNIILDFFAAGSAARRDVQNVAA
 APELAMGALELESRNSTLDPGKPEMMKSPTNTTPHVPAEGPEASRPPKLHPGLRAAPGQEPPEHMAELQR
 NEQEQLGQWHL SKRDTGAALLAESRAEKNRLWGPLEVRRVGRSSKQLVDIPEGQLEARAGRGRGQWLQV
 LGGGFSYLDISLCVGLYSLSFMGLLAMTYTFQAKIRALKGHAGHPAA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002826

ORF Size: 2241 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_002826.5](#)

RefSeq Size: 3316 bp

RefSeq ORF: 2244 bp

Locus ID: 5768

UniProt ID: [O00391](#)

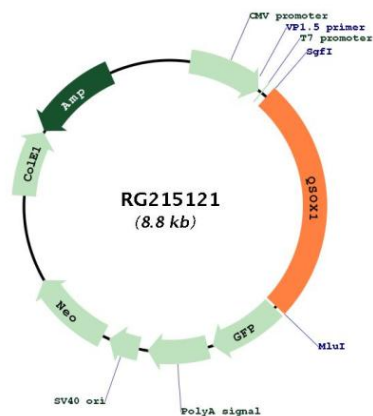
Cytogenetics: 1q25.2

Domains: thiored, Evr1_Alr

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Gene Summary: This gene encodes a protein that contains domains of thioredoxin and ERV1, members of two long-standing gene families. The gene expression is induced as fibroblasts begin to exit the proliferative cycle and enter quiescence, suggesting that this gene plays an important role in growth regulation. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215121