

Product datasheet for **RG221177**

NICE2 (S100A7A) (NM_176823) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NICE2 (S100A7A) (NM_176823) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NICE2
Synonyms: NICE-2; NICE2; S100A7f; S100A7L1; S100A15
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221177 representing NM_176823
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCAACACTCAAGCTGAGAGGTCCATAATAGGCATGATCGACATGTTTCACAAATACACGGGACGTG
 ATGGCAAGATTGAGAAGCCAAGCCTGCTGACGATGATGAAGGAGAACTCCCAATTTCTCAGTGCCTG
 TGACAAAAAGGGCATACTACCTCGCCACTGTCTTTGAGAAAAAGGACAAGAATGAGGATAAGAAGATT
 GATTTTCTGAGTTTCTGCTCTGCTGGGAGACATAGCCGAGACTACCACAAGCAGAGCCATGGAGCGG
 CGCCCTGTTCTGGGGAAGCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG221177 representing NM_176823
 Red=Cloning site Green=Tags(s)

MSNTQAERSIIGMIDMFHKYTGRDGKIEKPSLLTMMKENFPNFLSACDKKGIHYLATVFEKKDKNEDKKI
 DFSEFLSLLGDIAADYHKQSHGAAPCSGGSQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM_176823

ORF Size: 303 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.

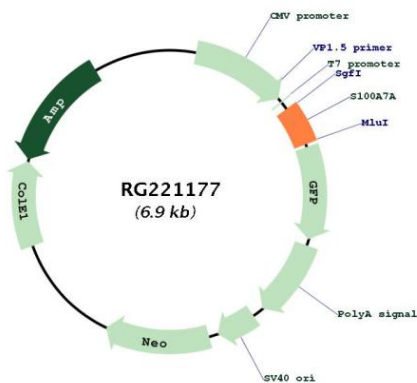
RefSeq: [NM_176823.4](#)

RefSeq Size: 4351 bp

RefSeq ORF: 306 bp

Locus ID:	338324
UniProt ID:	Q86SG5
Cytogenetics:	1q21.3
Gene Summary:	May be involved in epidermal differentiation and inflammation and might therefore be important for the pathogenesis of psoriasis and other diseases.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG221177