

Product datasheet for **RG208570**

SLC2A4RG (NM_020062) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC2A4RG (NM_020062) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SLC2A4RG
Synonyms: GEF; HDBP-1; HDBP1; Si-1-2; Si-1-2-19
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208570 representing NM_020062
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCGCCCCCGCCCCGCGCCGCGGGACCCAGTGCCTGCGGGCCGAGGCGCGTGGCTGC
 GCGCGGAGGGTCCGGGGCCGCGCCGCGCCCGTGACGGTGCCACGCCCGCAGGGCTCTTCCGTGGG
 CGGCGGCTTCGCGGGCTTGGAGTTCGCGCGGCCGAGGAGTCGGAGCCGCGGGCTCGGACCTGGGGCC
 CCCCAGCGTGGACGGGGCGCGGGCCCGGACTCCGTCGGCGCACATCCCGTCCAGCGCAGAG
 GAGCCACCCAGAAAAGCCCGGCTGGACGAGGTCATGGCTGCCCTTACAAGCCTGTCCACCAG
 CCCTCTCCTTCTGGGGCCCGGTTGCAGCCTTCAGCCAGAGCCTGGCCTGGAGCCCTGGAAGGAGGCC
 CTGGTGGGCCCCAGGCAGCTACAGCAGCAGCAACAGTGGAGACTGGGATGGGACCTGGCCAGTG
 ACCAGTCTCTCCGTCCACCCCGTACCCCACTGCCCCCGAGGCAGCCACTTCTGTGGGGAGCC
 CACCCTGAGAAAAGGAAGAGCCCGGCCAGGTCATGTTCCAGTGTCTGTGGAAGAGTGGCGGAAGGTG
 CTGAGCACGGCGTCGGCGATGCAGAGACACATCCGCTGGTGCACCTGGGAGGCAGGCAGAGCCTGAGC
 AGAGTGATGGTGAGGAGGACTTCTACTACAGAGCTGGATGTTGGTGTGGACACGCTGACCGACGGCT
 GTCCAGCCTGACTCCAGTGTCCCCACGGCCTCCATGCCGCTGCCTCCCCCGCTGGAGCTGCCAGAG
 CTGCTGGAGCCCCAGCCCTGCCTAGTCCCTGCGGCGCCTGCCCGCCCTGCCCGCCCCCTGTCC
 TGAGCACCGTTGCTAACCCCAAGTCTGTACAGTGACCGTGTCTACCAGGGCTGCCTGACGCCCGCCCCG
 CCTGGAGCCGAGCCACGGAGTTCGGAGCCTGCCACCCGCTTGTCTCCAGGATCGGAGTACCCCTG
 AGGAAGCCCGCGGCGACGCGAAGAAGTCCCGAAGGTGTATGGCATGGAGCGCCGGGACCTCTGGTGA
 CAGCCTGCCGCTGGAAGAAAGCCTGCCAGCGTTCTGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208570 representing NM_020062
 Red=Cloning site Green=Tags(s)

MERPPRAAGRDPSALRAEAPWLRAEGPGPRAAPVTVPPTPPQSSVGGGFAGLEFARPQESEPRASDLGA
 PRTWTGAAAGPRTPSAHIPVPAQRATPGKARLDEVMAAALSTLSTSPLLLAPVAAFSPEPGLPWEA
 LVRPPGSYSSSSNSGDWGDWDLASDQSSPSTPSPPLPPEAAHFLFGEPTLRKRKSPAQVMFQCLWKCCKV
 LSTASAMQRHIRLVHLGRQAEPEQSDGEEDFYYTELDVGVDTLTDGLSSLTPVSPTASMPPAFPRLELPE
 LLEPPALPSPLRPPAPPLPPPVLSTVANPQSCHSDRVYQGLTPARLEPQTEVGACPPALSSRIGVTL
 RKPRGDAKKCRKVYGMERRDLWCTACRWKACQRFLD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020062

ORF Size: 1161 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_020062.4](#)

RefSeq Size: 2296 bp

RefSeq ORF: 1164 bp

Locus ID: 56731

UniProt ID: [Q9NR83](#)

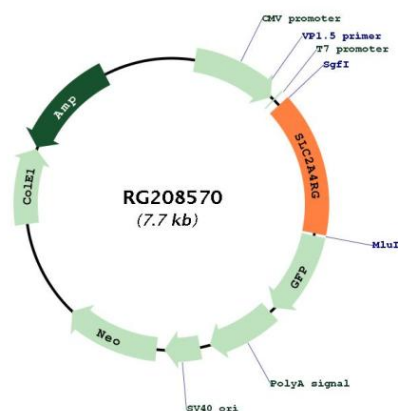
Cytogenetics: 20q13.33

Domains: zf-C2H2

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene is a nuclear transcription factor involved in the activation of the solute carrier family 2 member 4 gene. The encoded protein interacts with another transcription factor, myocyte enhancer factor 2, to activate transcription of this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208570