

Product datasheet for **RG206029**

SLC20A2 (NM_006749) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC20A2 (NM_006749) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC20A2
Synonyms:	GLVR-2; GLVR2; IBGC1; IBGC2; IBGC3; MLVAR; PIT-2; PIT2; Ram-1; RAM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206029 representing NM_006749
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCATGGATGAGATTTGTGGATGGTCATTTTGGTTTCATCATAGCTTTTCATCTTGGCCTTTTCTG
 TTGGTGCAAACGATGTTGCCAACTCCTTTGGTACAGCCGTGGGCTCTGGTGTGGTACCTTGAGGCAGGC
 ATGCATTTTAGCTTCAATATTTGAAACCACCGCTCCGTGTTACTAGCGCCAAAGTAGGAGAAACCATT
 CGCAAAGGTATCATTGACGTGAACCTGTACAACGAGACGGTGGAGACTCTCATGGCTGGGAAAGTTAGTG
 CCATGGTTGGTCCGCTGTGTGGCAGCTGATTGCTTCTCTGAGGCTTCCAATCTCAGGAACGCACTG
 CATTGTGGTTCTACTATAGGATTCTCACTGGTCGCAATCGGTACCAAAGGTGTGCAGTGGATGGAGCTT
 GTCAAGATTGTTGCTTCTGGTTTATATCTCCACTGTTGTCTGGTTTCATGTCTGGCCTGCTGTTTGTAC
 TCATCAGAATTTTCATCTTAAAAAGGAAGACCCTGTTCCAATGGCCTCCGGGCACTCCAGTATTCTA
 TGCTGCTACCATAGCAATCAATGCTTTTCCATCATGTACACAGGAGCACCAGTGTCTGGCCTTGTCTC
 CCCATGTGGGCCATAGCCCTCATTTCCTTTGGTGTGCGCCCTCTGTTTCGCTTTTTTGTGTGGCTCTTCG
 TGTGTCCGTGGATGCGGAGGAAAATAACAGGCAAATTACAAAAAGAGGTGCTTTATCACAGTATCTGA
 CGAAAGCCTCAGTAAGGTTCAGGAAGCAGAGTCCCCAGTATTTAAAGAGCTACCAGGTGCCAAGGCTAAT
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 GCAGCCACCCTCGGGCTGCATACGGAAGAGCACTGTCCATGACCCATGGCTCTGTGAAATCGCCCATCTC
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 TCGGGCTCTACAAGATCTGCTGCACAAAATCCACATCGACAGGGGCCCCGAGGAGAAGCCAGCCGAGG
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 TGGTAGCCTTGTGGCTGATTTACAACAAGGCGGGGTAACGCAAGAAGCAGCTACACCCGCTGGCTGCT
 GTTTTATGGAGGAGTTGGAATCTGCACAGGCTCTGGGCTGGGGGAGAAGAGTATCCAGACCATGGG
 AAGGACCTCACTCCATCACGCCGTCACGGGCTTACGATCGAGCTGGCCTCAGCCTTACAGTGGTGA
 TCGCCTCAACATCGGGCTTCCAGTCAACAGCAGCACTGAAGGTGGGCTCGGTGGTGGCCGTGGGCTG
 GATCCGCTCCCGCAAGGCTGTGGACTGGCGCTCTTTCGGAACATCTTCGTGGCCTGGTTCGTGACCGTC
 CCTGTGGCTGGGCTGTTCAAGCGCTGCTGTATGGCTCTTCTCATGTATGGGATCCTTCCATATGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206029 representing NM_006749
 Red=Cloning site Green=Tags(s)

MAMDEYLWMVILGFIIAFILAFSVGANDVANSFGTAVGSGVVTLRQACILASIFETTGSVLLGAKVGETI
 RKGIIDVNLVNETVETLMAGEVSAMVGSVAVWQLIASFLRPLISGTHCIVGSTIGFSLVAIGTKGVQWML
 VKIVASWFI SPLLSGFMSGLL FVLIRIFILKKEDPVPNGLRALPVFYAATIAINVSIMYTGAPVGLVL
 PMWAIALISFGVALLFAFFVWLVCPWMRRKITGKLQKEGALSRVDESLSKVQEAESPVKELPGAKAN
 DDSTIPLTGAAGETLGTSEGTSAAGSHPRAYGRALSMTHGSVKSPISNGTFGFDGHRSDGHVYHTVHKD
 SGLYKDLLHKIHIHIDRGPEEKPAQESNYRLLRRNNSYTCYTAACGLPVHATFRAADSSAPEDSEKLVGDT
 VSYSKRLRYDSYSSYCNAAVAEAEIEAEEGGVEMKLAELADPDQPREPAEEEEKEKDAPEVHLLFHFLL
 QVLTACFGSFAHGGNDVSNAIIGPLVALWLIYKQGGVTQEAAATPVWLLFYGGVGICTGLWWGRRVIQTMG
 KDLTPITPSSGFTIELASAFTVVIASNIIGLPVSTTHCKVGSVAVGWIRSRKAVDWRLFRNIFVAWFVTV
 PVAGLFSAAVMALLMYGILPYV

TRTRPLE – GFP Tag – V

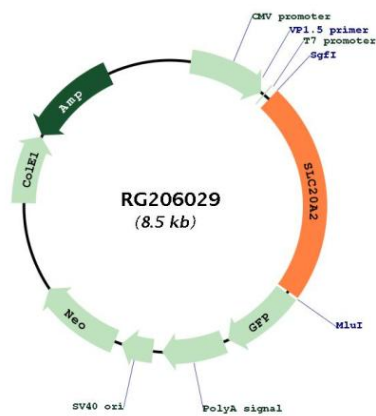
Cytogenetics: 8p11.21

Domains: PHO4

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a member of the inorganic phosphate transporter family. The encoded protein is a type 3 sodium-dependent phosphate symporter that plays an important role in phosphate homeostasis by mediating cellular phosphate uptake. The encoded protein also confers susceptibility to viral infection as a gamma-retroviral receptor. Mutations in this gene may play a role in familial idiopathic basal ganglia calcification. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]

Product images:



Circular map for RG206029