

Product datasheet for **RG215932**

SLC15A4 (NM_145648) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC15A4
Synonyms:	FPI259I; PHTI; PTR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG215932 representing NM_145648
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGGCTCTGGGGGCGGTGCGGGGAGCGGGCGCCGCTGCTGGGCGCGGGCGGGCGGGCGGGCGG
 CGGCGGCGGCTGGGGCGTTCGCGGGCGCGCGCGGCGTGCAGGGCGCTGCTGCTGACGGAGCTGCTGGA
 GCGCGCCGCTTTCTACGGCATCACGTCCAACCTGGTGTATTCTGAACGGGGCGCCGTTCTGCTGGGAG
 GGCGCGCAGGCCAGCGAGGCGCTGCTGCTTTCATGGGCTCACCTACCTGGGCTCGCCGTTCTGGAGGCT
 GGCTGGCCGACGCGCGGCTGGGCCGGGCGCGGCCATCCTGCTGAGCCTGGCGCTCTACCTGCTGGGCAT
 GCTGGCCTTCCCGCTGCTGGCCGCGCCGCGCACGCGAGCCGCGCTGCGGTTCCGCGCGCCTGCTCAAC
 TGCACGGCGCTGGTCCGACGCGCCGCGCCGCTGCTGCTACCGGCCACCTTCGCGGGGCTGGTGTGG
 TGGGCTGGGCGTGGCCACCGTCAAGGCCAACATCACGCCCTTCGCGCCGACCAAGTTAAAGATCGAGG
 TCCGGAAGCCACTAGGAGATTTTTAATTGGTTTTATTGGAGCATTAACTGGGAGCGATCTGTCGTTA
 GGTGGCATTGCCTATATTCAGCAGAACGTGAGCTTTGTCACTGGTTATGCGATCCCCACTGTCTGCGTCG
 GCCTTGCTTTTGTGGTCTTCTCTGTGGCCAGAGCGTTTTTCATACCAAGCCTCCTGATGGCAGTGCCTT
 CACCGACATGTTCAAGATACTGACGTATTCCTGCTGTCCGAGAAGCGAAGTGAGAGCGCCAGAGTAAT
 GGTGAAGGCATTGGAGTCTTTCAGCAATCTTAAACAAAGTCTGTTTGATTGATGTAAGATGCTCATG
 GTGGGCCATTTACAGAAGAGAAAGTGAAGATGTGAAAGCTCTGGTCAAGATTGTCCTGTTTTCTTGGC
 TTTGATACCTTACTGGACAGTGTATTTCCAAATGCAGACAACATATGTTTTACAGAGTCTTCATTGAGG
 ATTCCAGAAATTTCAAATATTACAACCACTCCTCACACGCTCCCTGCAGCCTGGCTGACCATGTTTGATG
 CTGTGCTCATCTCTGCTCATCCCTCTGAAGGACAACTGGTCGATCCCATTTTGAGAAGACATGGCCT
 GCTCCCATCTCCCTGAAGAGGATCGCCGTGGGCGATGTTCTTTGTGATGTGCTCGGCCCTTGTGTCAGGA
 ATTTTGAGAGTAAAGGCTGAACCTTGTTAAAGAGAAAACCATTAATCAGACCATCGGCAACGTCGTCT
 ACCATGCTGCCGATCTGTCGCTGTGGTGGCAGGTGCCGCGACTTGTGCTGATTGGGATCAGCGAGATCTT
 TGCAAGTATCGCAGGCTGGAATTTGCATACTCAGCTGCCCCAAGTCCATGCAGAGTGCATAATGGGC
 TTGTTCTTTTTCTCTCTGGCGTCGGGTCTGTTCTGGGTTCTGGACTGCTGGCACTGGTGTCTATCAAAG
 CCATCGGATGGATGAGCAGTACACAGACTTTGGTAATTAACGGCTGCTATTTGAAGTATTACTTTTT
 TCTTCTGGCTGCTATTCAAGGAGCTACCCTCCTGCTTTTCTCATTATTTCTGTGAAATATGACCATCAT
 CGAGACCATCAGCGATCAAGAGCCAATGGCGTGGCCACCAGCAGGAGGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215932 representing NM_145648
 Red=Cloning site Green=Tags(s)

MEGSGGGAGERAPLLGARRAAAAAAAGAFAGRRAACGAVLLTELLERAAFYGITSNLVFLNGAPFCWE
 GAQASEALLLFMGLTYLGSPFGWLADARLGRARAILLSLALYLLGMLAFPLLAAPATRAALCGSARLLN
 CTAPGPDAARCCSPATFAGLVVLGVATVKANITPFGADQVKDRGPEATRFFNWFYWSINLGAILSL
 GGIAYIQNVSFVTGYAIPVCVGLAFVVFLCGQSVFITKPPDGSFTDMFKILTYSCSQKRSGERQSN
 GEGIGVFQQSSKQSLFDSCKMSHGPFTEEKVEDVKALVKIVPVFLALIPYWTYVFQMOTTYVLQSLHLR
 IPEISNITTPHTLPAAWLTMFDAVLIILLIPLKDKLVDPIILRRHGLLPSSLKRIAVGMFFVMCSAFAAG
 ILESKRLNLVKEKTINQTIQNVVYHAADLSLWWQVPQYLLIGISEIFASIAGLEFAYSAPKSMQSAIMG
 LFFFFSGVGSFVGSGLLALVSIKAIQWMSHTDFGNINGCYLNYFFLLAAIQGATLLFLIISVKYDHH
 RDHQRSRANGVPTSRRA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145648

ORF Size: 1731 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

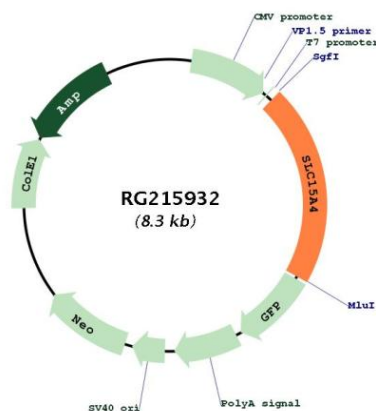
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<u>NM_145648.4</u>
RefSeq Size:	2807 bp
RefSeq ORF:	1734 bp
Locus ID:	121260
UniProt ID:	<u>Q8N697</u>
Cytogenetics:	12q24.33
Domains:	PTR2
Gene Summary:	Proton oligopeptide cotransporter. Transports free histidine and certain di- and tripeptides. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215932