

Product datasheet for **RG209725**

SLC6A15 (NM_182767) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A15 (NM_182767) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC6A15
Synonyms:	hv7-3; NTT73; SBAT1; V7-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG209725 representing NM_182767
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAAAAATAGCAAGGTGGTAAAAAGAGAATTAGATGATGATGTTACTGAGTCTGTCAAAGACCTTC
 TTCCAATGAAGACGCAGCTGATGATGCTTTTAAGACAAGTGAAC TAATTGTTGATGGCCAGGAAGAGAA
 AGATACAGATGTTGAAGAAGGATCTGAAGTCGAAGATGAAAGACCAGCTTGAACAGTAAACTACAATAC
 ATCCTGGCCCAAGTTGGATTTTCTGTAGGTTTAGGAAATGTGTGGCGATTCCATACCTATGTCAGAAGA
 ATGGGGCGGTGCATATCTTTACCATATTTAATACTACTTATGGTAATAGGTATCCCTTTTTTTTCTT
 GGAAGTCTCTGTGGTCAAAGAATTCGGCGAGGCAGCATTGGTGTATGGAATTACATAAGCCCTAAACTG
 GGCGGGATTGGATTTGCAAGTTGTGTAGTGTGCTATTTTGTAGTCTCTACTACAACGTCATCATTGGCT
 GGAGTTTGTATTTTCTCAGTCTTTTCAGCAACCCCTGCCTGGGATCAGTGTCTTTGGTGAAAAA
 TGCTTCACACACTTTTGTAGAACCAGAATGTGAACAAAGTCTGCCACCACCTATTACTGGTACAGGGAA
 GCACTGAATATTTCAAGTTCATTTCTGAAAGTGGGGCTTAAACTGGAAGATGACCATCTGCTTGTGG
 CTGCTGGGTCATGGTTTCTGGCTATGATCAAAGGCATTCACTCTTGGAAAAATCATATATTTTGG
 TTCTCTGTTTCCATATGTGGTACTTATTTGCTTCTCATCAGAGCATTCTTTTAAATGGTTCAATTGAT
 GGCATTCGCCACATGTTTACCCTAAGCTTGAATAATGCTGGAGCCCAAGGTCTGGAGAGAAGCTGCTA
 CTCAAGTGTCTTTGCCTTAGGTCTGGGATTTGGTGGTGTCTTTCATCAATTTTTTCACTTCTGCTCTGGCAACATTG
 GTGGTGTTCAGTCTGGGCTTCAAAGCAAATGTCATAAATGAGAAATGCATTACACAAAATTCAGAGA
 CGATCATGAAATTTTTGAAAATGGGGAACATTAGTCAGGATATTATCCCATCATATCAACCTTTCAAC
 TGTACTGCAGAAGATTATCATTAGTTTATGACATCATTCAAAAAGTGAAGAAGAAGAGTTTCTGCT
 CTTTCATCTCAATTCCTGTAAAATGAAGAAGAGCTAAATAAAGCTGTTTCAGGGGACCGGCTTAGCTTTTA
 TTGCCTTTACAGAAGCGATGACACATTTTCTGCATCTCCCTTCTGGTCAGTGTATTTTTCTCATGCT
 GGTCAATCTAGGCCTTGGCAGTATGTTTGAACCATTGAAGGGATTGTCACGCCTATTGTGGACACTTTC
 AAAGTGAGGAAAGAAATCTTACTGTTATCTGTTGTCTTCTGGCATTGTATTGGCCTGATATTTGTGC
 AACGCTCTGGAATTTACTTTGTACAATGTTTGTGATGATTATTCTGCTACACTGCCTCTGCTAATTGTAGT
 CATTTTGGAGAATATTGCTGTATGCTTTGTTTATGGCATAGATAAGTTTATGGAAGACCTAAAAGATATG
 CTGGGCTTTGCTCCAGCAGATATTACTACTATATGTGGAATAATTTCTCCTAATGCTATTATCAT
 TGCTAATAGCTAGTGTGTGAATATGGGATTAAGTCTCCTGGCTATAACGCATGGATTGAAGATAAGGC
 ATCTGAAGAATTTCTGAGCTATCCAACATGGGGACTGGTTGTTTGTGTCTCTGTTGTCTTTGCAATA
 CTCCCAGTCCCTGTAGTTTTATTGTTCTGTCGTTCAACCTTATAGATGATAGTTCTGGTAAATTTAGCAT
 CTGTGACCTATAAGAGAGGAAGGGTCTGAAAGAGCCTGTGAACTTAGAGGGCGATGATACAAGCCTCAT
 TCACGGAAAAATACCGAGCGAGATGCCATCTCAAATTTTGGTAAAAATTTTATCGAAAACAGAGTGGA
 TCCCAACTCTGGATACTGCTCCAATGGACGGTATGGAATAGGGTACTTGATGGCAGATATTATGCCAG
 ATATGCCAGAATCTGATTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209725 representing NM_182767
 Red=Cloning site Green=Tags(s)

MPKNSKVVKRELDVVTVESVKDLLSNEDAADDAFKTSELIVDGGQEEKDTEEGSEVEDERPAWNSKLQY
 ILAQVGFVSVGLGNVWRFYPLCQKNGGGAYLLPYLILLMVIIGIPLFFLELSVGQRIRRGSIGVWNYISP
 KLGIGFASCVVVCFVALYNNVIGWSLFYFSQSFQQPLPWCQPLVKNASHTFVEPECEQSSATTYYWYRE
 ALNIISSISESGGLNWKMTICLLAAWVMVCLAMIKGIQSSGKIIYFSSLFPYVVLICFLIRAFLLNGSID
 GIRHMFTPKLEIMLEPKVWREAATQVFFALGLGFGGVI AFSSYNKRDNCHFDVAVLVSFINFFTSVLATL
 VVFAVLGFKANVINEKCITQNSSETIMKFLKMGNISQDIIIPHHINLSTVTAEDYHLVYDIIQKVKEEFFPA
 LHLNSCKIEEELNKAVQGTGLAFIAFTEAMTHFPASPFWVMFFLMLVNLGLGSMFGTIEGIVTPIVDTF
 KVRKEILTVICLLAFICIGLIFVQRSGNYFVTFDDYSATLPLLVVILENIAVCFVYIDKFMEDLKDM
 LGFAPSRYYYYMWKYISPLMLLSLLIASVVMGLSPPGYNAWIEDKASEEFLSYPTWGLVVCVSLVVF
 AI LPVPPVIVRRFNLIDSSGNLASVTKRGRVLKEPVNLEGGDTSLIHGKIPSEMPSPNFGKNIYRQKSG
 SPTLDTAPNGRYGIGYLMADIMPDPESDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182767

ORF Size: 2190 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_182767.6](#)

RefSeq Size: 4807 bp

RefSeq ORF: 2193 bp

Locus ID: 55117

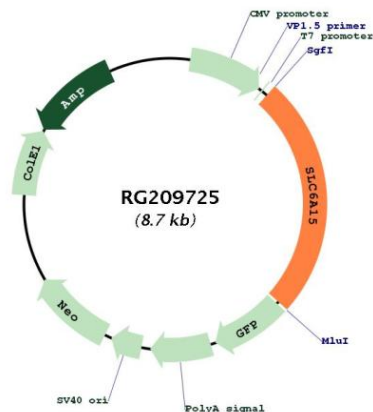
UniProt ID: [Q9H2J7](#)

Cytogenetics: 12q21.31

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a member of the solute carrier family 6 protein family which transports neutral amino acids. The encoded protein is thought to play a role in neuronal amino acid transport (PMID: 16185194) and may be associated with major depression (PMID: 21521612). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG209725