

Product datasheet for **RC207745**

SLC15A3 (NM_016582) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC15A3 (NM_016582) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC15A3
Synonyms:	OCTP; PHT2; PTR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC207745 representing NM_016582
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGCGCCGCGCCCGGGAGCAGCCCGCTGCCCGGGAGCGCCAGCCGCTGCTGCCTCGCGGTG
 CGCGGGGCCCTCGACGGTGGCGCGGGCGGGCGCGGCGCTGCTGCTGGTGGAGATGCTGGAGCGCGC
 CGCCTTCTTCGGCGTCACCGCCAACCTCGTGTACCTCAACAGCACCAACTTCAACTGGACCGCGAG
 CAGGCGACGCGCGCCGCTGGTATTCTGGCGCCTCTACCTGCTGGCGCCGTGGGCGGCTGGCTGG
 CCGACGTGTACCTGGCCGCTACCGCGCGGTGCGCTCAGCCTGCTGCTACCTGGCCGCTCGGGCCT
 GCTGCCCGCCACCGCCTCCCGACGGCCGAGCTCCTTCTGCGGAGAGATGCCCGCTCGCCGCTGGGA
 CCTGCCTGCCCTCGGCCGGTCCCGCGCTCCTCGCCAGCCCTACTGCGCGCCGCTCTACGCGG
 GCCTGCTGCTACTCGGCCTGGCCGCGAGTCCGTCGGAGCAACCTCACCTCTTCGGTGGCAGCAGGT
 GATGGATCTCGGCCGCGACGCCACCGCGCTTCTTCAACTGGTTTTACTGGAGCATCAACTGGGTGCT
 GTGCTGTCGCTGCTGGTGGTGGCGTTTATTCAGCAGAACATCAGTTCCTGCTGGGCTACAGCATCCCTG
 TGGGCTGTGTGGGCTGGCATTTCATCTTCTTTGCCACCCCGTCTTCATACCAAGCCCCGAT
 GGGCAGCAAGTGTCTATAGCTCGCTCCTCAAAACTGCTGCCCCAGCTGTGGCAACGACAC
 TCGGCCAGAGACCGTCAATGTGCCCGCTGCTGGCCGACGAGAGGTCTCCCCAGCCAGGGGCTCCCCGC
 AAGAGGACATCGCAACTCCAGGTGCTGGTGAAGATCTTCCCGTCAATGGTGGCCTGGTGCCTACTG
 GATGGTCTACTCCAGATGCAGTCCACCTATGCTCCTGCAGGCTTCCACCTCCACATCCAAACTTTTT
 CCAGCCAAACCGCCAACATCTCTGTGGCCTGAGAGCCAGGGCAGCAGCTACACGATCCCGGAAGCCT
 GGCTCCTCTGGCAATGTTGTGGTGGTCTGATTCTGGTCCCTGAAGGACCGCTGATCGACCCTTT
 ACTGCTGCGGTGCAAGTCTTCCCTGCTCTGCGAGAAGATGGCGCTGGGGATGTTCTTTGGTTTTACC
 TCCGTCATTGTGCGAGGAGTCCGGAGATGGAGCGCTTACACTACATCCACCACAACGAGACCGTGTCCC
 AGCAGATTGGGGAGTCTGTACAACGCGGCACCACTGTCCATCTGGTGGCAGATCCCTCAGTACCTGCT
 CATTGGGATCAGTGAGATCTTGGCAGCATCCCAGGCTGGAGTTTGCCTACTCAGAGGCCCGCGCTCC
 ATGCAGGGCGCCATCATGGGCATCTTCTGCTGCTGCGGGGTGGGCTCACTGTTGGGCTCCAGCCTAG
 TGGCACTGCTGCTTGGCCGGGGTGGCTGCACTGCCCAAGGACTTTGGGAACATCAACAATTGCCG
 GATGGACCTCTACTTCTCTGCTGGCTGGCATTACAGCCGTCACGGCTCTCTATTGCTGGATCGT
 GGACGCTATGAGAGGGCGTCCCAGGGCCAGCCTCCCACAGCCGTTTCAGCAGGGACAGGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207745 representing NM_016582
 Red=Cloning site Green=Tags(s)

MPAPRAREQPRVPGERQPLLPRGARGPRRWRAAGAAVLLVEMLERAAFFGVTANLVLNLSTNFWNTGE
 QATRAALVFLGASYLLAPVGGWLADVYLGRYRAVALSLLLYLAASGLLPATAFPDGRSSFCGEMPASPLG
 PACPSAGCPRSSPYCAPVLYAGLLLLGLAASSVRSNLSFGADQVMDLGRDATRRFFNWFYWSINLGA
 VLSLLVVAFIQQNISFLLGYSIPVGCVGLAFFIFL FATPVFITKPPMGSQVSSMLKLALQNCCPQLWQRH
 SARDRQCARVLADERSPPQPGASPQEDIANFQVLVKILPVMVTLVPYWMVYFQMSTYVLLQGLHLHIPNFF
 PANPANISVALRAQGSSYTIPEAWLLL ANVVVVLILVPLKDRLIDPLLLRCKLLPSALQKMALGMFFGFT
 SVIVAGVLEMERLHYIHHNETVSQQIGEVLYNAAPLSIWWQIPQYLLIGISEIFASIPGLEFAYSEAPRS
 MQGAIMGIFFCLSGVGSLLGSSLVALLSLPGGWLHCPKDFGNINNCRMDLYFLLAGIQAVTALLFWWIA
 GRYERASQGPASHRSRDRG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg3945_e09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_016582

ORF Size: 1743 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_016582.3](#)

RefSeq Size: 2113 bp

RefSeq ORF: 1746 bp

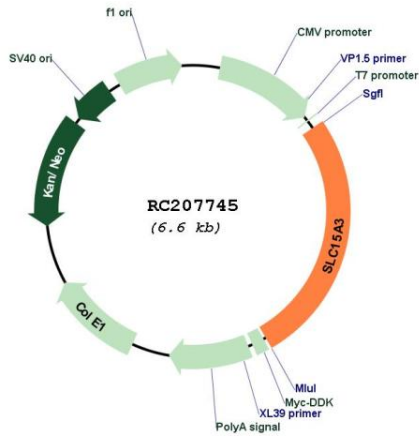
Locus ID: 51296

UniProt ID: [Q8IY34](#)

Cytogenetics: 11q12.2

Domains: PTR2
Protein Families: Ion Channels: Other, Transmembrane
MW: 63.4 kDa
Gene Summary: Proton oligopeptide cotransporter. Transports free histidine and certain di- and tripeptides (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC207745