

Product datasheet for **SC100180**

SLC15A4 (NM_145648) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC15A4 (NM_145648) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC15A4
Synonyms:	FP12591; PHT1; PTR4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_145648, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGCTCTGGGGCGGTGCGGGCGAGCGGGCGCCGCTGCTGGGCGCGGGCGGGCGGGCGGGCCG
CGCGGGCGGTGGGGCGTTCGCGGGCCGGCGCGCGCGTGGGGCCGTGCTGCTGACGGAGCTGCTGGA
GGCGGCCGCTTTCTACGGCATCACGTCCAACCTGGTGTATTCTGAACGGGGCGCGCTTCTGCTGGGAG
GGCGCGCAGGCCAGCGAGGCGCTGCTGCTTTCATGGGCTCACCTACCTGGGCTCGCCGTTTCGGAGGCT
GGCTGGCCGACGCGCGGTGGGGCGGGCGCGCCATCCTGCTGAGCCTGGCGCTCTACCTGCTGGGCAT
GCTGGCCTTCCCCTGCTGGCCGCGCCGCCACGCGAGCCGCGCTCTGCGGTTCCGCGCGCTGCTCAAC
TGCACGGCGCCTGGTCCCAGCGCCGCCCGCTGCTGCTCACCGGCCACCTTCGCGGGGCTGGTGTGG
TGGGCTGGGCGTGGCCACCGTCAAGGCCAACATCACGCCCTTCGGCGCCGACCAGGTTAAAGATCGAGG
TCCGAAGCCACTAGGAGATTTTTAATTGGTTTTATTGGAGCATTAACTGGGAGCGATCTGTGCTTA
GGTGGCATTGCCTATATTCAGCAGAACGTGAGCTTTGTCAGTGGTTATGCGATCCCCTGCTGCTGTCG
GCCTTGTCTTTGGTCTTCTCTGTGGCCAGAGCGTTTTTCATACCAAGCCTCCTGATGGCAGTGCCTT
CACCGACATGTTCAAGATACTGACGTATTCCTGCTGTTCCAGAAGCGAAGTGGAGAGCGCCAGAGTAAT
GGTGAAGGCATTGGAGTCTTTCAGCAATCTTCTAAACAAAGTCTGTTTGATTGATGTAAGATGTCTCATG
GTGGGCCATTTACAGAAGAGAAAGTGAAGATGTAAAGCTCTGGTCAAGATTGTCCTGTTTTCTTGGC
TTTGATACCTTACTGGACAGTGTATTTCAAATGCAGACAACATATGTTTTACAGAGTCTTCATTTGAGG
ATTCCAGAAATTTCAAATATTACAACACTCCTCACACGCTCCCTGCAGCCTGGCTGACCATGTTTGATG
CTGTGCTCATCCTCCTGCTCATCCCTCTGAAGGACAACTGGTCGATCCCATTTTGAAGAGATGGCCT
GCTCCCCTCCTCCTGAAGAGGATCGCCGTGGGCATGTTCTTTGTCATGTGCTCGGCCCTTGTGTCAGGA
ATTTTGGAGAGTAAAAGGCTGAACCTTGTAAAGAGAAAAACCTAATCAGACCATCGGCAACGCTGCT
ACCATGCTGCCGATCTGTCGCTGTGGTGGCAGGTGCCGAGTACTTGTGATTGGGATCAGCGAGATCTT
TGCAAGTATCGCAGGCTGGAATTTGCATACTCAGCTGCCCCAAAGTCCATGCAGAGTGCATAATGGGC
TTGTTCTTTTTCTCTGCGTCGGGTCGTTCTGGGTTCTGGACTGCTGGCACTGGTGTCTATCAAAG
CCATCGGATGGATGAGCAGTACACAGACTTTGGTAATATTAACGGCTGCTATTTGAACTATTACTTTTT
TCTTCTGGCTGCTATTCAAGGAGCTACCCTCCTGCTTTTCTCATTATTTCTGTGAAATATGACCATCAT
CGAGACCATCAGCGATCAAGAGCCAATGGCGTGCCACCAGCAGGAGGGCCTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145648 unedited

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TTAACCCCGCCGTTGNCTCATAGGGCGGTAGGCGGTACGGTGGNGAGTCTATATAAGC
AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG
AATTCGGCAGGAGCATGGAGGGCTCTGGGGCGGTGCGGGCGAGCGGGCGCCGCTGCTG
GGCGCGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCTGGGGCGTTCGCGGGCCGGCGCGC
GCGTGGCGGGCCGTGCTGCTGACGGAGCTGCTGGAGCGCGCCGCTTCTACGGCATCACG
TCCAACCTGGTGTATTCTGAACGGGGCGCCGTTCTGCTGGGAGGGCGCGCAGGCCAGC
GAGGCGCTGCTGCTTTCATGGGCTCACCTACCTGGGCTCGCCGTTTCGGAGGCTGGCTG
GCCGACGCGCGGCTGGGCCGGGCGCGCCATCCTGCTGAGCCTGGCGCTCTACCTGCTG
GGCATGCTGGCCTTCCCCTGCTGGCCGCGCCGCCACGCGAGCCGCGCTCTGCGGTTCC
GCGCGCTGCTCAACTGCACGGCGCTGGTCCCAGCGCCGCCCGCTGCTGCTCACCG
GCCACCTTCGCGGGGCTGGTGTGGTGGGCTGGGCGTGGCCACCGTCAAGGCCAACATC
ACGCCCTTCGGCGCCGACCAGGTTAAAGATCGAGGTCCGGAAGCCACTANGAGATTTTTT
AATTGGTTTTATTGGAGCATTAACTGNGAGCGATCCTGTGTTAGGTGGCATTGCCTAT
ATTCAGCAGAACGTGAGCTTTGTACTGGTATGCGATCCCCTGCTGCTGCGTACGCCCT
GGCTTTGTAGTCTTACTCTGTAGCCAGAGCGTTTTTCATACCAAGCCTCCTGATGGCAGT
GCCCTCACCGACATGTTCAAGATACTGACGTATTCCTGCTNGTCCAGAANCAAATTGGA
AAGCGCCAGAGTAT
    
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3' Read Nucleotide Sequence: >OriGene 3' read for NM_145648 unedited
 NTTGGTTTTGACTATGNNACCGCGCCGCATNCNANGATCGNGTTTTTTTTTTTTTTTTTTTT
 TTTTTTGGGATTCGCATTTGGAAAGCTTTTTATAATAAAGTTATGCCAAAAACAGCAAC
 AAATACAGAAAAAGTATTAACAACGGGAAAAGCCCCAGATACACGTACAGTAACAATAC
 AAAATGTGACTGGTCAAACAGCTCAAGTTCACATTTAACACTTCAATTATTTTAATT
 ACACTATTTCTGTTCAAAGAATGTTTTCTTACATACAACCATGATCAGTCTTTAGTCT
 CAATCGTACCAAATAAAGCTATATATAAGCACTCTGACTAGGTAAGGTGTGAAGTACCC
 CGTGAGTTGCTCTGTGGCTTGAGATGGGACACATGGTCTCAAATGACTCTTATGCATGCC
 TTGCCTTAAGAAAGAAAAGTAATGGTGATGGTTTAAAAAGTAAGTACTTTTTGAAGCAGC
 AGATGAAATGTGTTACTACCAGCCTAAATCAAAGAACATGGGAAGAGCAAGATTGTTCT
 CAGGAAGGAAACCATAAATATGGGATTTATGTAAAAATCTTGGCACATTTGAACATGCTT
 TTATCTTTAAAAAATAAACCTCACTTTTCTTAATATTAATTACAGTTATTAATAATTT
 TTTTTTACCGGGGAATAATGGCTTTGGGAAACAAGGGATACTATTTGGTTTAAAAAAC
 TGGGATGGCCACTAAAACCGGGGGTTTCCCAAGACTTTGGCAATTCATTTGGGAGGT
 TTTGGGAAAAAGGGACCCCTTTGGGGTATCCAAGACCTTGGGAAGAAAAGGGAATAT
 TTGAAAAATGGAGTTTTCTCCCGGAGGGCCCAACGTGGCCAGAGAACACCTTGAATA
 AAGGGCTT

Restriction Sites: NotI-NotI

ACCN: NM_145648

Insert Size: 2850 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](#)

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_145648.1](#), [NP_663623.1](#)

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]