

Product datasheet for SC111139

SLC25A15 (NM_014252) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A15 (NM_014252) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A15
Synonyms:	D13S327; HHH; LNC-HC; ORC1; ORNT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111139 sequence for NM_014252 edited (data generated by NextGen Sequencing) <pre> ATGAAATCCAATCCTGCTATCCAGGCTGCCATTGACCTCACAGCGGGGGCTGCAGGAGGT ACAGCATGTGTACTGACCGGGCAGCCCTTTGACACAATGAAAGTGAAGATGCAGACGTTT CCTGACCTGTACCGGGGCTCACCGACTGCTGCCTGAAGACTTACTCCCAGGTGGGCTTC CGTGGCTTCTACAAGGTACCACTCCAGCACTAATCGCCAACATCGCTGAGAACTCAGTC CTCTTCATGTGCTACGGCTTCTGCCAGCAGGTGGTGCGGAAAGTGGCTGGATTGGACAAG CAGGCAAAGCTGAGTGATCTGCAGAAATGCAGCCGCCGGTTCCTTCGCCTCTGCCTTTGCT GCACTGGTGCTCTGCCCCACGGAGCTCGTGAAGTGCCGGCTGCAGACCATGTATGAGATG GAGACATCAGGGAAGATAGCCAAGAGCCAGAATACAGTGTGGTCTGTCATCAAAAGTATT CTTAGGAAAGATGGCCCTTGGGGTTCTACCATGGACTCTCAAGCACTTTACTTCGAGAA GTACCAGGCTATTTCTTCTTCTTCGGTGGCTATGAACTGAGCCGGTCCTTTTTTGATCA GGGAGATCAAAAGATGAATTAGGCCCTGTACCTTTGATGTTAAGTGGTGGAGTTGGTGGG ATTTGCCTCTGGCTTGCGGTATACCCAGTGGATTGTATCAAAATCCAGAATTCAAGTTCTT TCCATGTCTGAAAACAGGCAGGATTTATCAGAACCTTTATAAATGTTGTGAAAAATGAA GGAATAACGGCCTTATATTCTGGACTGAAACCTACTATGATTGAGCATTCCCTGCCAAT GGAGCACTCTTTTGGCCTACGAATATAGCAGGAAGTTGATGATGAACCAGTTGGAAGCA TACTGA </pre>

Clone variation with respect to NM_014252.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014252 unedited
 GTTCACATTTGTATACGACTCCTATAGGGCGGCCGCAATTTCGCACGAGGGCCGCCCCAG
 CCGGCGACCCGGAGCCGAGAGCGGGCGGCGGAGCCTGAGCTGGACGCGGCCACGCCGGCG
 CGGCGGGATATGTGGTGCTGTCTAAGCTCCAGAGAGCTGCCTTCCACAAGACCAGCAG
 AAGAGTGGGCAACATGAAATCCAATCCTGCTATCCAGGCTGCCATTGACCTCACAGCGG
 GGGCTGCAGGAGGTACAGCATGTGTACTGACCGGGCAGCCCTTTGACACAATGAAAGTGA
 AGATGCAGACGTTCCCTGACCTGTACCGGGGCTCACCAGCTGCTGCCTGAAGACTTACT
 CCCAGGTGGGCTTCCGTGGCTTCTACAAGGGTACCAGTCCAGCACTAATCGCCAACATCG
 CTGAGAACTCAGTCTCTTCATGTGCTACGGCTTCTGCCAGCAGGTGGTGCAGAAAGTGG
 CTGGATTGGACAAGCAGGCAAGCTGAGTGATCTGCAGAATGCAGCCGCCGGTTCCTTCG
 CCTCTGCCTTTGCTGACTGGTGTCTGCCCCACGGAGCTCGTGAAGTCCGGGCTGCAGA
 CCATGTATGAGATGGAGACATCAGGGAAGATAGCCAAGAGCCAGAATACAGTGTGGTCTG
 TCATCAAAAGTATTCTTAGGAAAGATGGCCCTTGGGGTCTACCATGGACTCTCAAGCA
 CTTTACTTCGAGAAGTACCAGGCTATTTCTTCTTCTCGTGGCTATGAAGTGAAGCCGT
 CCTTTNTTGCATCAGGGAGATCAAAAGATGAATANGGCCCTGTACCTTTGATGTTAAGTG
 GGGGGAGTTGGTGGGATTGCTCTGGCTTGGGTATACCATGGATTGTATCCATTCCG
 AATTCAGTTCTTCATGTCTGGAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014252 unedited
 ACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGATGAAGTCTCGCT
 GTGTACCCAGTCTGGAGTGCAGTGGCACAATCTCAGCTACCGCAACCTCCGCCTCCCG
 GGTTCAAGCGACTCTCCTGCCTCAGCCTCCTGAGTAGTGGGACCACAGGCACGCCCCAC
 CACGCCAGCCAATTTTGTATTTTAGTAGAGACGGGGTTTACCATGTTGGCCAGGCT
 GTTCTCGAACTCCTGACCTTGTGACCCGCCCGCTCAGCCTCCCAAAGTCTGGGATTAT
 AGGCGTGAGCCACTGCGCTGGCCCAATTTGCTTTTCTATGTTCCATTGCTTTATAAA
 CTCATATCACATATACAGTCATCATTAAGACTTACTGACTGCAAGTACCAATGTAGAAG
 CCTCCAACACTGTAAAAGCATGGCAAGACAGGCTTCAGGATGGGTGAGCCTGACATTAC
 TCACTGTGGAGTACAAGCACTGAGTTCTTTCTAGTTCTCTCTGAGAGAGGTTACCCACT
 GTCACACAATCACAAACAGGGAAGAAGCTTCTCTTGGCTTTGGCTCTCACTGTTCCCT
 TGGAGGGTTTCTGATTGGTGGAGGCAGAGCAGACAGTGAAGTGGCCACAGTGGATTGATG
 GCCCCAGCCAGGACCCAGAGACAAAAGTAAGCGCTGCTGCTAGCCACCATGGTCTCA
 TCAGAGCACAGCAGCACCGTCTACCACTCAGCGCTTNCCTCATNTAAAGCCCAAGAAAG
 GAAGTTCTTTGGAGAGCAGGGACCCCTCGTAACGCCATGCTATTTNCCCAAGGGCTCGA
 CCCTCTTGGCCACCCCTTACAATATAGTCCGCGCCGAAATATGATCCACCTTAGAAAATG
 ATTGGCCCTATTTAGAAAGTAGAGCCATTCGGGGAAACTAAGAACCCTTACCTGGAGC
 CTCTATACCCAAGCGTGGAACN

Restriction Sites:

NotI-NotI

ACCN:

NM_014252

Insert Size:

2880 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_014252.1, NP_055067.1</u>
RefSeq Size:	2640 bp
RefSeq ORF:	906 bp
Locus ID:	10166
UniProt ID:	<u>Q9Y619</u>
Cytogenetics:	13q14.11
Domains:	mito_carr
Protein Families:	Druggable Genome
Gene Summary:	This gene is a member of the mitochondrial carrier family. The encoded protein transports ornithine across the inner mitochondrial membrane from the cytosol to the mitochondrial matrix. The protein is an essential component of the urea cycle, and functions in ammonium detoxification and biosynthesis of the amino acid arginine. Mutations in this gene result in hyperornithinemia-hyperammonemia-homocitrullinuria (HHH) syndrome. There is a pseudogene of this locus on the Y chromosome.[provided by RefSeq, May 2009]