

Product datasheet for **SC326120**

SLC6A8 (NM_001142805) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A8 (NM_001142805) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC6A8
Synonyms:	CCDS1; CRT; CRTR; CT1; CTR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



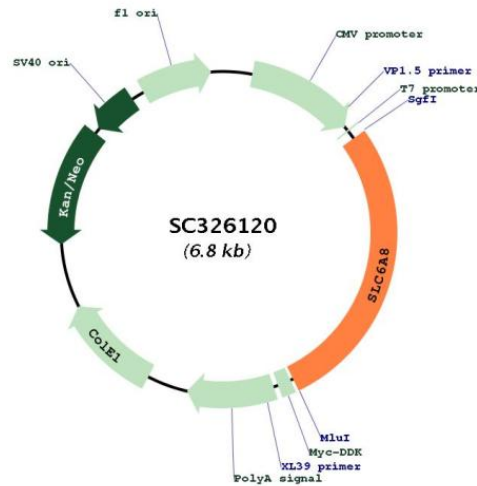
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Fully Sequenced ORF: >SC326120 representing NM_001142805.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGAAGAAGAGCGCCGAGAACGGCATCTATAGCGTGTCCGGCAGCAGAAGAAGGGCCCCCTCATC
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CTGGCCGTGCCGCGCGGAGACCTGGACGCGCCAGATGGACTTCATCATGTGTCGTGGCTTCGCC
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CCCTACGTCTGATCGCCCTGGTGGAGGAATCCCATTTTCTTCTTAGAGATCTCGCTGGGCCAGTTC
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GAGAGTGCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001142805

Insert Size: 1878 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001142805.1](#)

RefSeq Size: 3550 bp

RefSeq ORF: 1878 bp

Locus ID: 6535

UniProt ID: [P48029](#)

Cytogenetics:	Xq28
Protein Families:	Druggable Genome, Transmembrane
MW:	69.5 kDa
Gene Summary:	<p>The protein encoded by this gene is a plasma membrane protein whose function is to transport creatine into and out of cells. Defects in this gene can result in X-linked creatine deficiency syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The resulting isoform (2) lacks a 10-aa segment but has the same N- and C-termini, compared to isoform 1.</p>