

Product datasheet for SC335211

SLC22A17 (NM_001289050) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A17 (NM_001289050) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A17
Synonyms:	24p3R; BOCT; BOIT; hBOIT; NGALR; NGALR2; NGALR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335211 representing NM_001289050. Blue=Insert sequence Red=Cloning site Green=Tag(s)

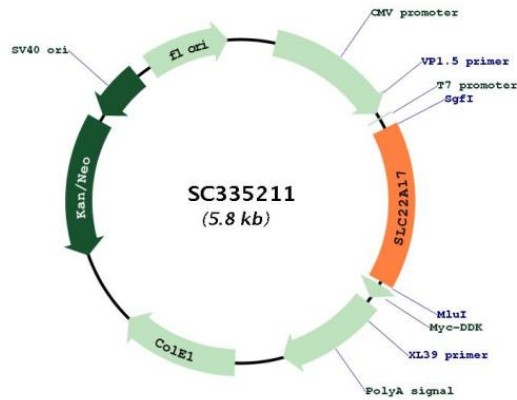
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CCCCATGGGCAGATGCTGGGGGAGGAGGCCAGGAGGCCCTGCAGGACCTGGAGAATACCTGCCCTCTC
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001289050

Insert Size: 909 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: [NM_001289050.1](#)

RefSeq Size: 2027 bp

RefSeq ORF: 909 bp

Locus ID: 51310

UniProt ID: [Q8WUG5](#)

Cytogenetics: 14q11.2

Protein Families: Druggable Genome, Transmembrane

MW: 32.7 kDa

Gene Summary: Cell surface receptor for LCN2 (24p3) that plays a key role in iron homeostasis and transport. Able to bind iron-bound LCN2 (holo-24p3), followed by internalization of holo-24p3 and release of iron, thereby increasing intracellular iron concentration and leading to inhibition of apoptosis. Also binds iron-free LCN2 (apo-24p3), followed by internalization of apo-24p3 and its association with an intracellular siderophore, leading to iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration and resulting in apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) uses an alternate splice junction at the 5' end of a coding exon and an alternate in-frame splice junction at the 3' end of another exon compared to variant 1. The resulting isoform (c) is shorter at the N-terminus and lacks an alternate internal segment compared to isoform a.