

Product datasheet for **SC331641**

Sortilin (SORT1) (NM_001205228) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sortilin (SORT1) (NM_001205228) Human Untagged Clone
Tag:	Tag Free
Symbol:	Sortilin
Synonyms:	Gp95; LDLCQ6; NT3; NTR3
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331641 representing NM_001205228.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGACTTTTGGACAGTCCAAGCTATATCGAAGTGAGGATTATGGGAAGAACTTTAAGGATATTACAGAT
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GACCTCTTGGAATAG
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001205228

Insert Size: 2085 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_001205228.1](#)

RefSeq Size: 7007 bp

RefSeq ORF: 2085 bp

Locus ID: 6272

UniProt ID: [Q99523](#)

Cytogenetics: 1p21.3-p13.1

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Lysosome, Neurotrophin signaling pathway

MW: 77.4 kDa

Gene Summary: This gene encodes a member of the VPS10-related sortilin family of proteins. The encoded preproprotein is proteolytically processed by furin to generate the mature receptor. This receptor plays a role in the trafficking of different proteins to either the cell surface, or subcellular compartments such as lysosomes and endosomes. Expression levels of this gene may influence the risk of myocardial infarction in human patients. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence and uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (2) is shorter at the N-terminus and lacks an internal aa compared to isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.