

Product datasheet for RC203740L3

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Calnexin (CANX) (NM_001024649) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Calnexin (CANX) (NM_001024649) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Calnexin

Synonyms: CNX; IP90; P90

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC203740).

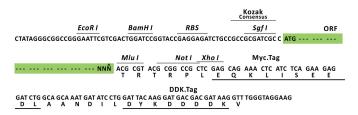
Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf 1 ORF Mlu I

--- GCG ATC GCC ATG --- // --- NNN ACG CGT ---



st The last codon before the Stop codon of the ORF.

ACCN: NM_001024649

ORF Size: 1776 bp





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OTI Disclaimer: 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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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 001024649.1</u>

RefSeq Size:4900 bpRefSeq ORF:1779 bp

Locus ID: 821

 UniProt ID:
 P27824

 Cytogenetics:
 5q35.3

Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Antigen processing and presentation

MW: 67.6 kDa

Gene Summary: This gene encodes a member of the calnexin family of molecular chaperones. The encoded

protein is a calcium-binding, endoplasmic reticulum (ER)-associated protein that interacts transiently with newly synthesized N-linked glycoproteins, facilitating protein folding and assembly. It may also play a central role in the quality control of protein folding by retaining incorrectly folded protein subunits within the ER for degradation. Alternatively spliced

transcript variants encoding different isoforms have been described. [provided by RefSeg, Jun

2018]