

Product datasheet for **SC322601**

Calnexin (CANX) (NM_001024649) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calnexin (CANX) (NM_001024649) Human Untagged Clone
Tag:	Tag Free
Symbol:	Calnexin
Synonyms:	CNX; IP90; P90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322601
GGCACGTGACGGTCGGGCCGCTCCGCCTCTCTTTACTGCGGCGGGGCAAGATCAT
GGAAGGGAAGTGGTTGCTGTGTATGTTACTGGTCTTGGAACTGCTATTGTTGAGGCTCA
TGATGGACATGATGATGATGTGATTGATATTGAGGATGACCTTGACGATGTCATTGAAGA
GGTAGAAGACTCAAACACAGATACCACTGCTCCTCCTCATCTCCAAGTTACTTACAA
AGCTCCAGTTCCAACAGGGGAAGTATATTTGCTGATTCTTTGACAGAGGAACTCTGTC
AGGGTGGATTTTATCCAAGCCAAGAAAGACGATACCGATGATGAAATTGCCAAATATGA
TGGAAAGTGGGAGGTAGAGGAAATGAAGGAGTCAAAGCTTCCAGGTGATAAAGGACTTGT
GTTGATGTCTCGGGCCAAGCATCATGCCATCTCTGCTAAACTGAACAAGCCCTTCCTGTT
TGACACCAAGCCTCTCATTGTTCAAGTATGAGGTTAATTTCCAAAATGGAATAGAATGTGG
TGGTGCCTATGTGAAACTGCTTTCTAAAACACCAGAACTCAACCTGGATCAGTTCATGA
CAAGACCCCTTATACGATTATGTTTGGTCCAGATAAATGTGGAGAGGACTATAAACTGCA
CTTCATCTTCCGACACAAAAACCCAAAACGGGTATCTATGAAGAAAAACATGCTAAGAG
GCCAGATGCAGATCTGAAGACCTATTTTACTGATAAGAAAAACACATCTTTACACACTAAT
CTTGAATCCAGATAATAGTTTTGAAATACTGGTTGACCAATCTGTGGTGAATAGTGGAAA
TCTGCTCAATGACATGACTCCTCCTGTAATCCTTACGTGAAATTGAGGACCCAGAAGA
CCGGAAGCCCAGGATTGGGATGAAAGACCAAAAATCCCAGATCCAGAAGCTGTCAAGCC
AGATGACTGGGATGAAGATGCCCTGCTAAGATTCCAGATGAAGAGGCCACAAAACCCGA
AGGCTGGTTAGATGATGAGCCTGAGTACGTACCTGATCCAGCGCAGAGAAACCTGAGGA
TTGGGATGAAGACATGGATGGAGAATGGGAGGCTCCTCAGATTGCCAACCCCTAGATGTGA
GTCAGCTCCTGGATGTGGTGTCTGGCAGCGACCTGTGATTGACAACCCCAATTATAAAGG
CAAATGGAAGCCTCCTATGATTGACAATCCAGTTACCAGGGAATCTGGAAACCCAGGAA
AATACCAAATCCAGATTTCTTTGAAGATCTGGAACCTTTCAGAATGACTCCTTTTAGTGC
TATTGGTTTGGAGCTGTGGTCCATGACCTCTGACATTTTTTTTGGACAACCTTATCATTTG
TGCTGATCGAAGAATAGTTGATGATTGGGCAATGATGGATGGGGCTGAAGAAAGCTGC
TGATGGGGCTGCTGAGCCAGCGTTGTGGGGCAGATGATCGAGGCAGCTGAAGAGCGCCC
GTGGCTGTGGTAGTCTATATTCTAACTGTAGCCCTTCTGTGTTCTCTGGTTATCTCTT



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CTGCTGTTCTGGAAAGAAACAGACCAGTGGTATGGAGTATAAGAAAACCTGATGCACCTCA
 ACCGGATGTGAAGGAAGAGGAAGAAGAGAAGGAAGAGGAAAAGGACAAGGGAGATGAGGA
 GGAGGAAGGAGAAGAGAACTTGAAGAGAAACAGAAAAGTGATGCTGAAGAAGATGGTGG
 CACTGTCAGTCAAGAGGAGGAAGACAGAAAACCTAAAGCAGAGGAGGATGAAATTTTAA
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 CCCAAATGATTGATTACAAATAAACAGTTGTTACTTAGCAAGACCTGAAAAATAGTCTG
 CAGGTTTCTCCTTGAAGCAAATGTGTGGGATCATTGCATTTCCAGAAATCTGCCTCCTTC
 ACCCTCCGTTGACAGTATATGTCATGCCTCACTTCTTCTAGCTGAGCTTTAAATCATT
 GAGCTTAAATGTCAGATCGTTTCACTTGCCTTTCCAGGGTATTTAGTAAAGTTTGTGAA
 AACAAAAACGCCCTTTTCTTGGTTCTTTTTTTCAGTTATTTTGAAGGTCCAGCATCCTGATT
 AAATGTCTGACACATTAATGAATGACCAGCAGCAGCTTTCAGCTCTTAAAAAGACACTTA
 TATTTTGAATTTACATGCTGTTACCTGTTCCATTGTTGTCAAATGCCACTCTCCATCA
 GATGTGTTCTCCATTTTTTATCCACAAAGTACTCCTCACTTTTCAATTTGTCATGTTA
 CTAATGGTGTTACATTAAGCCCTGTGTTAAGTGTCAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:

NM_001024649

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:	<ol style="list-style-type: none">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_001024649.1 , NP_001019820.1
RefSeq Size:	4900 bp
RefSeq ORF:	1779 bp
Locus ID:	821
UniProt ID:	P27824
Cytogenetics:	5q35.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Antigen processing and presentation
Gene Summary:	<p>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 RefSeq, Jun 2018]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>