

## Recombinant Human CANX

Cat. No. CANX-26776TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Calnexin - ER membrane marker protein; predicted MWt: 74 kDa
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	592 amino acids
<b>Description</b>	<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 the same protein have been described.</p>
<b>Molecular Weight</b>	74.000kDa
<b>Form</b>	Liquid
<b>Purity</b>	by SDS-PAGE
<b>Storage buffer</b>	Constituents:5% Glycerol, 0.06% Calcium chloride, Sodium chloride, Tris

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the calreticulin family.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CANX calnexin [ Homo sapiens ]
<b>Official Symbol</b>	CANX
<b>Synonyms</b>	CANX; calnexin; CNX; IP90; major histocompatibility complex class I antigen binding protein p88; P90;
<b>Gene ID</b>	821
<b>mRNA Refseq</b>	NM_001024649
<b>Protein Refseq</b>	NP_001019820
<b>MIM</b>	114217
<b>Uniprot ID</b>	P27824
<b>Chromosome Location</b>	5q35
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Asparagine N-linked

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



glycosylation, organism-specific biosystem;

**Function**

calcium ion binding; protein binding; sugar binding; unfolded protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA