

# Recombinant Human CANX Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CANX-3261H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	CANX MS Standard C13 and N15-labeled recombinant protein (NP_001737) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	67.6 kDa
<b>AA Sequence</b>	MEGKWLLCMLLVLGT AIVEAHDGHDDDVIDIEDDLDDVIEEVEDSKPDTTAPPSSPKV TYKAPVPTGEVYFADSFDRGTL SGWILSKAKKDDTDDEIAKYDGKWEVEEMKESKL PGDKGLVLM SRAKHHAISAKLNKPFLFDTKPLIVQYEVNFQNGIECGGAYVKLLSKTP ELNLDQFHDKTPYTIMFGPDKCGEDYKLFIFRHKNPKTGIYEEKHAKRPDADLKTYF TDKKTHLYTLINPDNSFEILVDQSVVNSGNLLNDMTPPVNPSREIEDPEDRKPEDW DERPKIPDPEAVKPDDWDEDAPAKIPDEEATKPEGWLDDEPEYVDPDPAEKPEDW

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DEDMDGEWEAPQIANPRCESAPGCGVWQRPVIDNPNYKGGKWKPPMIDNPSYQGI  
 WKPRKIPNPDFFEDLEPFRMTPFSAIGLELWSMTSDIFFDNFIICADRRIVDDWANDG  
 WGLKKAADGAAEPGVVGMIEAAEERPWLWVVYILTVALPVFLVILFCCSGKKQTS  
 GMEYKKTAPQPDVKEEEEEKEEEKDKGDEEEEGEEKLEEKQKSDAEEDGGTVSQ  
 EEEDRKPKAEDEILNRSPNRKPRRETRTRPLEQKLISEEDLAANDILDYKDDDDK  
 V

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CANX calnexin [ Homo sapiens (human) ]

**Official Symbol** CANX

**Synonyms** CANX; calnexin; CNX; IP90; major histocompatibility complex class I antigen binding protein p88; P90; major histocompatibility complex class I antigen-binding protein p88; FLJ26570;

**Gene ID** 821

**mRNA Refseq** NM\_001746

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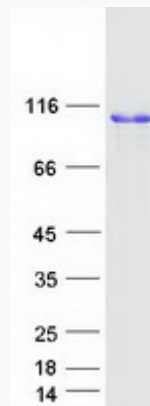
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**Protein Refseq** NP\_001737

**MIM** 114217

**UniProt ID** P27824

**SDS-PAGE**



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