

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

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

SPECIFICATION

Product Overview	CANX MS Standard C13 and N15-labeled recombinant protein (NP_001737) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	67.6 kDa
AA Sequence	MEGKWLLCMLLVLTGTAIVEAHDGHDDDDVIDIEDDLDDVIEEVEDSKPDTTAPPSSPKV TYKAPVPTGEVYFADSFDRGTLSGWILSKAKKDDTDDEIAKYDGKWEVEEMKESKL PGDKGLVLMsRAKHHAISAKLNKPFLFDTKPLIVQYEVNFQNGIECGGAYVKLLSKTP ELNLDQFHDKTPYTIMFGPDKCGEDYKLHFIFRHKNPKTGIYEEKHAKRPDADLKTYF TDKKTHLYTLILNPDNSFEILVDQSVVNSGNLLNDMTPPVNPSPREIEDPEDRKPEDW DERPKIPDPEAVKPDDWDEDAPAKIPDEEATKPEGWLDDEPEYVPDPDAEKPEDW

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DEDMDGEWEAPQIANPRCESAPGCGVWQRPVIDNPNYKGKWKPPMIDNPSYQGI
 WKPRKIPNPDDFFEDLEPFRMTPFSAIGLELWSMTSDIFFDNFIICADRRIVDDWANDG
 WGLKKAADGAAEPGVVGQMIEAAEERPWLWVVYILTVALPVFLVILFCCSGKKQTS
 GMEYKKTDAQPDPVKEEEEEKEEEKDKGDEEEEGEEKLEEKQKSDAEEDGGTVSQ
 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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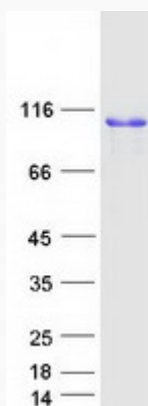
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Protein Refseq NP_001737

MIM 114217

UniProt ID P27824

SDS-PAGE



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