

## Product datasheet for **TP300229**

### Calnexin (CANX) (NM\_001746) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human calnexin (CANX), transcript variant 1, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC200229 protein sequence

**Clone or AA** **Red**=Cloning site **Green**=Tags(s)

**Sequence:**

MEGKWLLCMLLLVLGTAIVEAHDGHDDDDVIDIEDDLDDVIEEVEDSKPDTTAPPSSPKVITYKAPVPTGEVY  
FADSFDRGTLSGWILSKAKKDDTDDEIAKYD GKWEVEEMKESKLP GDKGLVLM SRAKHHAISAKLNKPFL  
FDTKPLIVQYEVNFQNGIECGGAYVKLLSKTPELNLDQFHDKTPYTIMFGPKCGEDYKLHFIFRHKNPK  
TGIYEEKHAKRPDADLKTYFTDKKTHLYTLILNPDNSFEILVDQSVVNSGNLLNDMTTPPVNPSREIEDPE  
DRKPEDWDERPKIPDPEAVKPDDEWEDAPAKIPDEEATKPEGWLDDPEYVDPDAEKPEDWDEDMDGEW  
EAPQIANPRCESAPGCGVWQRPVIDNPNYK GKWKPPMIDNPSYQGIWKPRKIPNPDFFEDLEPFRMTPFS  
AIGLELWSMTSDIFFDNFIICADRRIVDDWANDGWGLKKAADGAAEPGVGQMIEAAEERPWLVVVYILT  
VALPVFLVILFCCSGKKQTSGMEYKKT DAPQPDVKEEEEEKEEEKDKGDEEEEEGEEKLEEKQKSDAEEDG  
GTVSQEEEDRKPKAEEDEILNRSRNRKPRRE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 65.3 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

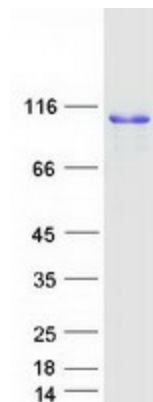
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001737</a>
<b>Locus ID:</b>	821
<b>UniProt ID:</b>	<a href="#">P27824</a>
<b>RefSeq Size:</b>	4953
<b>Cytogenetics:</b>	5q35.3
<b>RefSeq ORF:</b>	1776
<b>Synonyms:</b>	CNX; IP90; P90
<b>Summary:</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. [provided by RefSeq, Jun 2018]
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Antigen processing and presentation

### Product images:



Coomassie blue staining of purified CANX protein (Cat# TP300229). The protein was produced from HEK293T cells transfected with CANX cDNA clone (Cat# [RC200229]) using MegaTran 2.0 (Cat# [TT210002]).