

## Calnexin Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P7711
<b>Synonyms:</b>	rHuCalnexin, His; Calnexin; IP90; Major Histocompatibility Complex Class I Antigen-Binding Protein p88; CANX
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	P27824 (H21-P481)
<b>Gene ID:</b>	821
<b>Molecular Weight:</b>	Approximately 70.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> HDGHDDDDVID IEDDLDDVIE EVEDSKPDTT APPSSPKVTY KAPVPTGEVY FADSFDRGTL SGWILSKAKK DDTDDEIAKY DGKWEVEEMK ESKLPGDKGL VLMSRAKHHA ISAKLNKPFLL FDTKPLIVQY EVNFQNGIEC GGAYVKLLSK TPELNLDQFH DKTPYTIMFG PDKCGEDYKL HFIFRHKNPK TGIYEEKHAK RPDADLKTYF TDKKTHLYTL ILNPDNSFEI LVDQSVVNSG NLLNDMTPPV NPSREIEDPE DRKPEDWDER PKIPDPEAVK PDDWDEDAPA KIPDEEATKP EGWLDDEPEY VPDPDAEKPE DWDEDMDGEW EAPQIANPRC ESAPGCGVWQ RPVIDNPNYK GKWKPPMIDN PSYQGIWKPR KIPNPDFFED LEFRMTPFS AIGLELWSMT SDIFFDNFII CADRRIVDDW ANDGWGLKKA ADGAAEPGVV GQMI EAAEER PHHHHHH           </pre>
<b>Appearance</b>	Solution.
<b>Formulation</b>	Supplied as a 0.2 µm filter solution of 20 mM Tris-HCl, 150 mM NaCl, 2 mM CaCl <sub>2</sub> , 10% Glycerol, pH 7.5.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	N/A
<b>Storage &amp; Stability</b>	Stored at -80°C for 1 year from date of receipt. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Shipping with dry ice.

### DESCRIPTION

<b>Background</b>	Calnexin and calreticulin are related proteins that comprise an ER chaperone system that ensures the proper folding and
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quality control of newly synthesized glycoproteins<sup>[1]</sup>.

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## REFERENCES

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[1]. David B Williams, et al. Beyond lectins: the calnexin/calreticulin chaperone system of the endoplasmic reticulum. J Cell Sci. 2006 Feb 15;119(Pt 4):615-23.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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