

Calnexin Protein, Human (HEK293, His)

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

PROPERTIES

AA Sequence	<pre> HDGHDDDDVID IEDDLDDVIE EVEDSKPDTT APPSSPKVTY KAPVPTGEVY FADSFDRGTL SGWILSKAKK DDTDDEIAKY DGKWEVEEMK ESKLPGDKGL VLMSRAKHHA ISAKLNKPFLL FDTKPLIVQY EVNFQNGIEC GGAYVKLLSK TPELNLDQFH DKTPYTIMFG PDKCGEDYKL HFIFRHKNPK TGIYEEKHAK RPDADLKYTF TDKKTHLYTL ILNPDNSFEI LVDQSVVNSG NLLNDMTTPV NPSREIEDPE DRKPEDWDER PKIPDPEAVK PDDWDEDAPA KIPDEEATKP EGWLDDEPEY VPDPDAEKPE DWDEDMDGEW EAPQIANPRC ESAPGCGVWQ RPVIDNPNYK GKWKPPMIDN PSYQGIWKPR KIPNPDDFFED LEFRMTPFS AIGLELWSMT SDIFFDNFII CADRRIVDDW ANDGWGLKKA ADGAAEPGVV GQMI EAAEER PHHHHHH </pre>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filter solution of 20 mM Tris-HCl, 150 mM NaCl, 2 mM CaCl ₂ , 10% Glycerol, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. 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.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	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^[1].

REFERENCES

[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.

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

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