Recombinant Human Calnexin

Cat. No. CANX-1394H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Calnexin protein was expressed in*E.coli*and purified by using conventional chromatography techniques. MW = 52.5 kDa (462aa).
Species	Human
Source	E.coli
Description	Calnexin, also known as IP90, p88 and p90, is a member of the calnexin family of molecular chaperones. This 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.
Amino Acid Sequence	MHDGHDDDVI DIEDDLDDVI EEVEDSKPDT TAPPSSPKVT YKAPVPTGEV YFADSFDRGT LSGWILSKAK KDDTDDEIAK YDGKWEVEEM KESKLPGDKG LVLMSRAKHH AISAKLNKPF LFDTKPLIVQ YEVNFQNGIE CGGAYVKLLS KTPELNLDQF HDKTPYTIMF GPDKCGEDYK LHFIFRHKNP KTGIYEEKHA KRPDADLKTY FTDKKTHLYT LILNPDNSFE ILVDQSVVNS GNLLNDMTPP VNPSREIEDP EDRKPEDWDE RPKIPDPEAV KPDDWDEDAP AKIPDEEATK PEGWLDDEPE YVPDPDAEKP EDWDEDMDGE WEAPQIANPR CESAPGCGVW QRPVIDNPNY KGKWKPPMID NPSYQGIWKP RKIPNPDFFE DLEPFRMTPF SAIGLELWSM TSDIFFDNFI ICADRRIVDD WANDGWGLKK AADGAAEPGV VGQMIEAAEE RP

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Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT and 20% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	CANX calnexin [Homo sapiens]
Synonyms	CANX; calnexin; CNX; P90; IP90; FLJ26570; major histocompatibility complex class I antigen-binding protein p88
Gene ID	821
mRNA Refseq	NM_001024649
Protein Refseq	NP_001019820
MIM	114217
UniProt ID	P27824
Chromosome Location	5q35
Pathway	Antigen processing and presentation

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Function	calcium ion binding; sugar binding; unfolded protein binding

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