

AR09271PU-N

Human Calnexin (21-481) - Purified

Alternate names:	CANX, ER Marker, IP90, Major histocompatibility complex class I antigen-binding protein p88, p90
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P27824
NCBI:	NP_001019820
GeneID:	821
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT and 20% glycerol
Description:	Recombinant Calnexin protein was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MHDGHDDDDVI DIEDDLDDVI EEVEDSKPDT TAPPSSPKVT YKAPVPTGEV YFADSFDRGT LSGWILSKAK KDDTDDEIAK YDGKWEVEEM KESKLPGDKG LVLMSRAKHH AISAKLNKPF LFDTKPLIVQ YEVNFQNGIE CGGAYVKLLS KTEPNLDQF HDKTPYTIMF GPDKCGEDYK LHFIFRHKNP KTGIIYEEKHA KRPDADLKT YFTDKKTHLYT LILNPDNSFE ILVDQSVVNS GNLLNDMTPP VNPSREIEDP EDRKPEDWDE RPKIPDPEAV KPDDWDEDAP AKIPDEEATK PEGWLDDEPE YVPDPDAEKP EDWDEDMDGE WEAPQIANPR CESAPGCGVW QRPVIDNPNY KGKWKPPMID NPSYQGIWKP RKIPNPDPFE DLEPFRMTPF SAIGLELWSM TSDIFFDNFI ICADRRIVDD WANDGWGLKK AADGAAEPGV VGQMIEAAEE RP Molecular weight: 52.5 kDa (462 aa)
Add. Information:	(Real molecular weight on SDS-PAGE will be shift up).
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Wang B., et al. (2009) Immunology. 128(1):43-57.

Pictures:

Recombinant human Calnexin, 21-481 aa:
15% SDS-PAGE (3 µg)

