

## Calnexin Recombinant Protein | CANX recombinant protein

Calnexin, 21-481aa, Human, E Coli

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48560</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

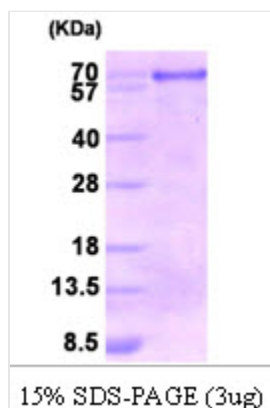
### PRODUCT SYNONYMS

Calnexin; 21-481aa; Human; E Coli; CNX; IP90; P90; CANX; FLJ26570; Histocompatibility complex class I antigen binding protein p88; ; CANX recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification                                  | > 90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format                                          | Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT and 20% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Concentration                                        | 1 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence                                             | MHDGHDDV I DIEDLDV I EEVEDSKPDT TAPPSSPKVT YKAPVPTGEV YFADSFDRGT LSGWILSKAK<br>KDDTDDEIAK YDGKWEVEEM KESKLPQDKG LVLMSRAKHH AISAKLNKPF LFDTKPLIVQ YEVNFQNGIE<br>CGGAYVKLLS KTEPLNLDQF HDKTPYTIMF GPDKCGEDYK LHFIFRHKNP KTGIIYEEKHA KRPDADLKTY<br>FTDKKTHLYT LILNPDNSFE ILVDQSVVNS GNLLNDMTPP VNPSREIEDP EDRKPEDWDE RPKIPDPEAV<br>KPDDWDEDAP AKIPDEEATK PEGWLDDEPE YVPDPDAEKP EDWDEDMDGE WEAPQIANPR CESAPGCGVW<br>QRPVIDNPNY KGKWKPPMID NPSYQGIWKP RKIPNPDPFE DLEPFRMTPF SAIGLELWSM TSDIFFDNFI<br>ICADRRIVDD WANDGWGLKK AADGAAEPGV VGQMIEAAEE RP |
| Sequence Length                                      | 592                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for CANX recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Antigen Species                                      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                              | Can be stored at 4 degree C short term (1-2 weeks).<br>For long term storage, aliquot and store at -20 degree C or -70 degree C.<br>Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CANX recombinant protein | 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. Recombinant Calnexin protein was expressed in E Coli and purified by using conventional chromatography techniques. |
| Product Categories/Family for CANX recombinant protein   | Heat Shock Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| References                                               | Wang B., et al. (2009) Immunology. 128 (1):43-57. ; Millar DJ., et al. (2009) Proteomics. 9 (9):2355-72.;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------|
| NCBI GI #                        | 66933005                                                                                    |
| NCBI GeneID                      | 821                                                                                         |
| NCBI Accession #                 | NP_001019820                                                                                |
| NCBI GenBank Nucleotide #        | NM_001024649.1                                                                              |
| UniProt Accession #              | P27824; B2R5V8; B4DGP8; B4E2T8; D3DWQ3; D6R9K3                                              |
| Molecular Weight                 | 52.5 kDa (462aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher) |
| NCBI Official Full Name          | calnexin                                                                                    |
| NCBI Official Synonym Full Names | calnexin                                                                                    |
| NCBI Official Symbol             | CANX                                                                                        |
| NCBI Official Synonym Symbols    | CNX; P90; IP90                                                                              |
| NCBI Protein Information         | calnexin                                                                                    |
| UniProt Protein Name             | Calnexin                                                                                    |
| UniProt Gene Name                | CANX                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/canx-recombinant-protein-e-coli-sds-page/48560>