www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

# CANX Human

**Catalog #:**PRPS-732

For research use only.

**Description:**CANX Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 462 amino acids (21-481 a.a.) and having a molecular mass of 52.5kDa.The CANX is purified by proprietary chromatographic techniques.

**Synonyms:**Calnexin, Major histocompatibility complex class I antigen-binding protein p88, p90, IP90, CANX, CNX, FLJ26570.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**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 IL

**Purity:**Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**
The CANX protein solution contains 20mM Tris-HCl buffer (pH8.0), 1mM DTT and 20% glycerol.

**Stability:**
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

**Usage:**
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**
Calnexin (CANX) belongs to the calnexin family of molecular chaperones. Calnexin is a calcium-binding, ER-associated protein that interacts briefly with newly synthesized N-linked glycoproteins, facilitating protein folding and assembly. Calnexin may also have a key role in the quality control of protein folding by retaining incorrectly folded protein subunits within the ER for degradation. Calnexin grants long-term protection of wild-type Shaker protein from ER-associated degradation. Polypeptide substrate recognition by Calnexin requires specific conformations of the Calnexin protein. Calnexin dwindles with aging and might contribute to a cytoprotection in an array of human age-related diseases.

***To place an order, please Click HERE.***

© 2015 NeoScientific