

Recombinant Human CANX, GST-tagged

Cat. No. CANX-10695H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CANX protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-273a.a.
Description	This gene encodes a member of the calnexin family of molecular chaperones. The encoded 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. Alternatively spliced transcript variants encoding the same protein have been described.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	CANX calnexin [Homo sapiens]
Official Symbol	CANX
Synonyms	CANX; calnexin; CNX; IP90; major histocompatibility complex class I antigen binding protein p88; P90; major histocompatibility complex class I antigen-binding protein p88; FLJ26570;
Gene ID	821
mRNA Refseq	NM_001024649
Protein Refseq	NP_001019820
MIM	114217
UniProt ID	P27824
Chromosome Location	5q35
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Asparagine N-linked glycosylation, organism-specific biosystem; Assembly of Viral Components at the Budding Site, organism-specific biosystem; Calnexin/calreticulin cycle, organism-specific biosystem;
Function	calcium ion binding; protein binding; sugar binding; unfolded protein binding;

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