

## 32-3407: Calumenin Recombinant Protein

**Alternative Name :** CALU,Crocalbin,IEF SSP 9302,FLJ90608,Calumenin.

### Description

Source : Escherichia Coli. Recombinant Human Calumenin produced in E.Coli is a single, non-glycosylated polypeptide chain containing 317 amino acids (20-315 a.a) and having a molecular mass of 37.2 kDa. Calumenin is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. Calumenin is a calcium-binding protein located in the endoplasmic reticulum (ER) and sarcoplasmic reticulum (SR) of mammalian tissues which plays a role in ER functions as protein folding and sorting. Calumenin belongs to a family of multiple EF-hand proteins (CERC) that include reticulocalbin, ERC-55, and Cab45 and the product of this gene. Calumenin binds 7 calcium ions having low affinity and takes part in such ER functions as protein folding and sorting.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 90% as determined by Analysis by SDS-PAGE.
<b>Content :</b>	The Calumenin protein contains 20mM Tris-HCl buffer pH-8 and 10% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MKPTEKKDRV HHEPQLSDKV HNDAQSFDYD HDAFLGAEEA KTFDQLTPEE SKERLGKIVS KIDGDKDGFV TVDELKDWIK FAQKRWIYED VERQWKGHDL NEDGLVSWEE YKNATYGYVL DDPDPDDGFN YQMMVRDER RFKMADKGDG LIATKEEFTA FLHPEEYDYM KDIVVQETME DIDKNADGFI DLEEYIGDMY SHDGNTDEPE WVKTEREQFV EFRDKNRDGK MDKEETKDWI LPSDYDHAEA EARHLVYESD QNKDGKLTKE EIVDKYDLFV GSQATDFGEA LVRHDEF.

