

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

Amount :	25 µg
Purification :	Greater than 90% as determined by Analysis by SDS-PAGE.
Content :	The Calumenin protein contains 20mM Tris-HCl buffer pH-8 and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MKPTEKKDRV HHEPQLSDKV HNDAQSFDYD HDAFLGAEAA KTFDQLTPEE SKERLGKIVS KIDGDKDGFV TVDELKDWIK FAQRWIYED VERQWKGHDL NEDGLVSWEE YKNATYGYVL DDPDPDDGFN YKQMMVRDER RFKMADKDG D LIATKEEFTA FLHPPEYDYM KDIVVQETME DIDKNADGFI DLEEYIGDMY SHDGNTDEPE WVKTEREQFV EFRDKNRDGK MDKEETKDWI LPSDYDHAEA EARHLVYESD QNKDGGKLTKE EIVDKYDLFV GSQATDFGEA LVRHDEF.