

Recombinant Human Calumenin, His-tagged

Cat. No. CALU-407H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Calumenin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography, 37.2 kDa (317aa).
Species	Human
Source	E.coli
Description	Calumenin, also known as CALU, is a multiple EF-hand calcium-binding protein located in endoplasmic reticulum(ER) and sarcoplasmic reticulum (SR) of mammalian tissues. This protein binds 7 calcium ions with a low affinity and is involved in such ER functions as protein folding and sorting.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MKPTEKKDRV HHEPQLSDKV HNDAQSFDYD HDAFLGAEAA KTFDQLTPEE SKERLGKIVS KIDGDKDGFV TVDELKDVIK FAQKRWIYED VERQWKGHDL NEDGLVSWEE YKNATYGYVL DDPDPDDGFN YKQMMVRDER RFKMADKDG D LIATKEEFTA FLHPPEYDYM KDIVVQETME DIDKNADGFI DLEEYIGDMY SHDGNTDEPE WVKTEREQFV EFRDKNRDGK MDKEETKDWI LPSDYDHAEA EARHLVYESD QNKDGKLTKE EIVDKYDLFV GSQATDFGEA LVRHDEF
Purity	> 90% by SDS - PAGE
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

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Concentration 1 mg/ml (determined by Bradford assay)

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name CALU calumenin [Homo sapiens]

Synonyms CALU; calumenin; FLJ90608; Crocalbin; IEF SSP 9302;crocalbin-like protein; multiple EF-hand protein

Gene ID 813

mRNA Refseq NM_001130674

Protein Refseq NP_001124146

MIM 603420

UniProt ID O43852

Chromosome Location 7q32.1

Pathway Hemostasis

Function calcium ion binding

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