

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 HDAFLGAEEA KTFDQLTPEE SKERLGKIVS KIDGDKDGFV TVDELKDWIK FAQKRWIYED VERQWKGHDL NEDGLVSWEE YKNATYGYVL DDPDPDDGFN YKQMMVRDER RFKMADKDGD 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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