

Product information

Calumenin, 20-315aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP3648

Full name: Calumenin isoform a

NCBI Accession No.: NP_001210

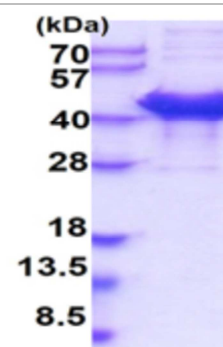
Description: Calumenin, also known as calumenin isoform a, which is a multiple EF-hand calcium-binding protein located in endoplasmic reticulum(ER) and sarcoplasmic reticulum (SR) of mammalian tissues. This protein binds 7 calcium ions with a low affinity and is involved in such ER functions as protein folding and sorting. Recombinant human Calumenin protein was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid In Phosphate buffered saline (pH 7.4) containing 10% Glycerol

Molecular Weight: 35 kDa (297aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5mg/ml (determined by Absorbance 280nm)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MKPTKKDRV HHEPQLSDKV HNDQSFQYD HDAFLGAEAA KTFDQLTPEE SKERLGKIVS KIDGDKDGFV TVDELKDWIK FAQKRWIYED
VERQWKGHDL NEDGLVSWE EYKNATYGYVL DDPDPDDGFN YKQMMVRDER RFKMAKDKGD LIATKEEFTA FLHPEEYDYM KDIVVQETME
DIDKNADGFI DLEEYIGDMY SHDGNTDEPE WVKTEREQFV EFROKNRDGK MDKEETKDWI LPSDYDHAEA EARHLVYESD QNKDGKLTKE
EIVDKYDLFV GSQATDFGEA LVRHDEF

General references:

Yabe D., *et al.* (1997) *J Biol Chem.* 272(29):18232-9.

Vorum H., *et al.* (1998) *Biochim Biophys Acta.* 1386(1):121-31.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:
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