

Recombinant human Calumenin protein

Catalog Number: ATGP3648

PRODUCT INFORMATION

Expression system

E.coli

Domain

20-315aa

UniProt No.

O43852

NCBI Accession No.

NP_001210

Alternative Names

Calumenin isoform a

PRODUCT SPECIFICATION

Molecular Weight

35 kDa (297aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

MKPTEKKDRV HHEPQLSDKV HNDAQSFDYD HDAFLGAEAA KTFDQLTPEE SKERLGKIVS KIDGDKDGFV TVDELKDWIK

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FAQKRWIYED VERQWKGHDL NEDGLVSWEE YKNATYGYVL DDPDPDDGFN YKQMMVRDER RFKMADKDGD
LIATKEEFTA FLHPEEYDYM KDIVVQETME DIDKNADGFI DLEEYIGDMY SHDGNTDEPE WVKTEREQFV EFRDKNRDGK
MDKEETKDWI LPSDYDHAEA EARHLVYESD QNKDGLTKE EIVDKYDLFV GSQATDFGEA LVRHDEF

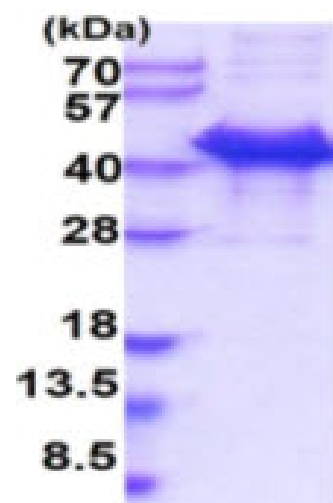
General References

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

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)