

Calumenin, 20-315 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP01411

3th Edition

Synonyms:CALU.

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.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Molecular Weight:37.2 kDa (317aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMKPTEKKDRVHHEPQLSDKVHNDQAQSFYDHDHDAFLGAEAAKTFDQLTPESKER
LGKIVSKIDGDKDGFVTVDELKDWIKFAQKRWIYEDVERQWKGHDLNEDGLVSWEEYKNATYGYVLDDPDPDDGF
NYKQMMVRDERRFKMADKDGDLIATKEEFTAFHPEEYDYMKDIVVQETMEDIDKNADGFIDLEEYIGDMYSHDGN
TDEPEWVKTEREQFVEFRDKNRDGKMDKEETKDWILPSDYDHAEAEARHLVYESDQNKDGKLTKEEIVDKYDLFV
GSQATDFGEALVRHDEF

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.