



Recombinant Human Calumenin (CALU)

Product Code	CSB-EP004460HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43852
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	K PTEKKDRVHH EPQLSDKVHN DAQSFYDHD AFLGAEAAKT FDQLTPEESK ERLGKIVSKI DGDKDGFTV DELKDWIKFA QKRWIYEDVE RQWKGHDLNE DGLVSWEYK NATYGYVLDD PDPDDGFNYK QMMVRDERRF KMADKGDLI ATKEEFTAFL HPEEYDYMKD IVVQETMEDI DKNADGFIDL EEYIGDMYSH DGNTDEPEWV KTEREQFVEF RDKNRDGMKD KEETKDWILP SDYDHAEAEA RHLVYESDQN KDGKLTKEEI VDKYDLFVGS QATDFGEALV RHDEF
Source	E.coli
Target Names	CALU
Protein Names	Recommended name: Calumenin Alternative name(s): Crocalbin IEF SSP 9302
Expression Region	20-315
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	The product of this gene is a calcium-binding protein localized in the endoplasmic reticulum (ER) and it is involved in such ER functions as protein folding and sorting. This protein belongs to a family of multiple EF-hand proteins (CERC) that include reticulocalbin, ERC-55, and Cab45 and the product of this gene. Alternatively spliced transcript variants encoding different isoforms have been identified.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.