



# Recombinant Human Calumenin (CALU)

<b>Product Code</b>	CSB-EP004460HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43852
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	K PTEKKDRVHH EPQLSDKVHN DAQSFDYDHD AFLGAEAAKT FDQLTPPEESK ERLGKIVSKI DGDKDGFVTV DELKDWIKFA QKRWIYEDVE RQWKGHDLNE DGLVSWEEYK NATYGYVLDD PDPDDGFNYK QMMVRDERRF KMADKGDGLI ATKEEFTAFL HPEEYDYMKD IVVQETMEDI DKNADGFIDL EEYIGDMYSH DGNTDEPEWV KTEREQFVEF RDKNRDGMKD KEETKDWILP SDYDHAEAEA RHLVYESDQN KDGKLTKEEI VDKYDLFVGS QATDFGEALV RHDEF
<b>Source</b>	E.coli
<b>Target Names</b>	CALU
<b>Protein Names</b>	Recommended name: Calumenin Alternative name(s): Crocalbin IEF SSP 9302
<b>Expression Region</b>	20-315
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.