



Recombinant Human Calumenin (CALU)

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| Product Code | CSB-YP004460HU |
| 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 DGDKDGFVTV DELKDWIKFA QKRWIYEDVE RQWKGHDLNE DGLVSWEYK NATYGYVLDD PDPDDGFNYK QMMVRDERRF KMADKGDGLI ATKEEFTAFL HPEEYDYMKD IVVQETMEDI DKNADGFIDL EEYIGDMYSH DGNTDEPEWV KTEREQFVEF RDKNRDGKMD KEETKDWILP SDYDHAEAEA RHLVYESDQN KDGKLTKEEI VDKYDLFVGS QATDFGEALV RHDEF |
| Source | Yeast |
| 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. |