

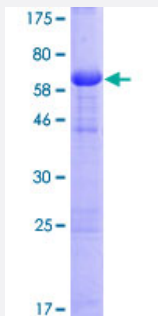
Full-Length

CALU (Human) Recombinant Protein (P01)

Catalog # H00000813-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CALU full-length ORF (NP_001210.1, 1 a.a. - 315 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDLRQFLMCLSLCTAFALSKPTEKKDRVHHEPQLSDKVHNDAAQSFYDHDHDAFLGAEEAKTFDQ
LTPEESKERLGKIVSKIDGDKDGFVTVDELKDWIKFAQKRWIYEDVERQWKGHDLNEDGLVSW
EYKNATYGYVLDDPDPDDGFNYKQMMVRDERRFKMADKDGDLATKEEFTAFHPEEYDYMKDI
VVQETMEDIDKNADGFIDLEEYIGDMYSHDGNTDEPEWVKTEREQFVEFRDKNRDGKMDKEETK
DWILPSDYDHAAEAEARHLVYESDQNKDGKLTKEEMDKYDLFVGSQATDFGEALVRHDEF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.5

Interspecies Antigen Sequence

Mouse (92); Rat (91)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CALU

Entrez GeneID[813](#)**GeneBank Accession#**[NM_001219.2](#)**Protein Accession#**[NP_001210.1](#)**Gene Name**

CALU

Gene Alias

FLJ90608

Gene Description

calumenin

Omim ID[603420](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

crocalbin-like protein|multiple EF-hand protein

Disease

- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Hemorrhage](#)