

Recombinant Human CALU, His-tagged

Cat. No. CALU-27189TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Calumenin with N terminal His tag; amino acids 20-315, 37.2kDa.
Species	Human
Source	E.coli
ProteinLength	20-315 a.a.
Description	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.
Conjugation	HIS
Tissue specificity	Ubiquitously expressed. Expressed at high levels in heart, placenta and skeletal muscle, at lower levels in lung, kidney and pancreas and at very low levels in brain and liver.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MKPTEKKDRV HHEPQLSDKV HNDAQSFDYD HDAFLGAEAA KTFDQLTPEE SKERLGKIVS KIDGDKDGFV TVDELKDVIK FAQKRWIYED VERQWKGHDL NEDGLVSWEE YKNATYGYVL DDPDPDDGFN YKQMMVRDER RFKMADKDG D LIATKEEFTA FLHPPEYDYM KDIVVQETME DIDKNADGFI DLEEIYIDMY SHDGNTDEPE WVKTEREQFV EFRDKNRDGK MDKEETKDWI LPSDYDHAEA EARHLVYESD QNKDGKLTKE EIVDKYDLFV GSQATDFGEA LVRHDEF
Sequence Similarities	Belongs to the CREC family. Contains 6 EF-hand domains.
Full Length	Full L.
GENE INFORMATION	
Gene Name	CALU calumenin [Homo sapiens]
Official Symbol	CALU
Synonyms	CALU; calumenin;
Gene ID	813
mRNA Refseq	NM_001130674
Protein Refseq	NP_001124146

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MIM	603420
Uniprot ID	O43852
Chromosome Location	7q32
Pathway	Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Response to elevated platelet cytosolic Ca ²⁺ , organism-specific biosystem;
Function	calcium ion binding; protein binding;

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