

Recombinant Human CALU Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CALU-1594H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CALU MS Standard C13 and N15-labeled recombinant protein (NP_001210) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	37.1 kDa
AA Sequence	MDLRQFLMCLSLCTAFALSKPTEKKDRVHHEPQLSDKVHNDASFDYDHDAFLGAE EAKTFDQLTPESKERLGKIVSKIDGDKDGFVTVDLKDWDIKFAQKRWIYEDVERQW KGHDNLNEDGLVSWEEYKNATYGYVLDDPDGDFNYKQMMVRDERFRKMDKDG DLIATKEEFTAFHLPEEYDYMKDIVVQETMEDIDKNADGFIDLEEYIGDMYSHDGNTD EPEWVKTEREQFVEFRDKNRDGKMDKEETKDWILPSDYDHAEAEARHLVYESDQN KDGKLTKEEIVDKYDLFVGSQATDFGEALVRHDEFTRTRPLEQKLISEEDLAANDILD YKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CALU calumenin [Homo sapiens (human)]
Official Symbol	CALU
Synonyms	CALU; calumenin; crocalbin; IEF SSP 9302; crocalbin-like protein; multiple EF-hand protein; FLJ90608;
Gene ID	813
mRNA Refseq	NM_001219
Protein Refseq	NP_001210
MIM	603420
UniProt ID	O43852

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