

Recombinant Human CALR3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CALR3-1907H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CALR3 MS Standard C13 and N15-labeled recombinant protein (NP_659483) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to the calreticulin family, members of which are calcium-binding chaperones localized mainly in the endoplasmic reticulum. This protein is also localized to the endoplasmic reticulum lumen, however, its capacity for calcium-binding may be absent or much lower than other family members. This gene is specifically expressed in the testis, and may be required for sperm fertility. Mutation in this gene has been associated with familial hypertrophic cardiomyopathy.
Molecular Mass	45 kDa
AA Sequence	MARALVQFWAICMLRVALATVYFQEEFLDGEHWRNRWLQSTNDSRFGHFRLSSGK FYGHKEKDKGLQTTQNGRFYAISARFKPFSNKGKTLVIQYTVKHEQKMDCGGGYIK VFPADIDQKNLNGKSQYYIMFGPDICGFDIKKVHVLHFKNKYHENKKLIRCKVDGFT HLYTLILRPDLSYDVKIDGQSIESGSIEYDWNLTSLKKETSPAESKDWEQTKDNKAQD WEKHFLDASTSKQSDWNGDLGDWPAPMLQKPPYQDGLKPEGIHKDVWLHRKMK NTDYLTQYDLSEFENIGAIGLELWQVRSGTIFDNFLITDDEEYADNFGKATWGETKG PEREMDAIQAKEEMKKAREEEEEELLSGKINRHEHYFNQFHRRNELTRTRPLEQKLI

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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	CALR3 calreticulin 3 [Homo sapiens (human)]
Official Symbol	CALR3
Synonyms	CALR3; calreticulin 3; calreticulin-3; calsperin; cancer/testis antigen 93; CRT2; CT93; FLJ25355; MGC26577; calreticulin-2; CMH19;
Gene ID	125972
mRNA Refseq	NM_145046
Protein Refseq	NP_659483
MIM	611414
UniProt ID	Q96L12

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SDS-PAGE

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