

Recombinant Full Length Human CALR3 Protein, GST-tagged

Cat. No. CALR3-3079HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CALR3 full-length ORF (AAH14595, 21 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	21-384 amino acids
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. [provided by RefSeq, Dec 2011]
Molecular Mass	65.78 kDa
AA Sequence	VYFQEEFLDGEHWRNRWLQSTNDSRFGHFRLSSGKFYGHKEKDKGLQTTQNGRF YAISARFKPFSNKGKTLVIQYTVKHEQKMDCGGGYIKVFPADIDQKNLNGKSQYYIMF GPDICGFDIKKVHVLHFKNKYHENKKLIRCKVDGFTHLYTLILRPDLSYDVKIDGQSIE SGSIEYDWNLTSLKKETSPAESKDWEQTKDNKAQDWEKHFLDASTSKQSDWNGDL DGDWPAPMLQKPPYQDGLKPEGIHKDVWLHRKMKNTDYLTQYDLSEFENIGAIGLE LWQVRSGTIFDNFLITDDEEYADNFGKATWGGETKGPEREMDAIQAKEEMKKAREEE

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	EEELLSGKINRHEHYFNQFHRRNEL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CALR3 calreticulin 3 [Homo sapiens]
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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