

# Recombinant Full Length Human CALR3 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human CALR3 full-length ORF (AAH14595, 21 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	21-384 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	65.78 kDa
<b>AA Sequence</b>	VYFQEEFLDGEHWRNRWLQSTNDSRFGHFRLSSGKFGYGHKEKDKGLQTTQNGRF YAISARFKPFSNKGKTLVIQYTVKHEQKMDCGGGYIKVFPADIDQKNLNGKSQYYIMF GPDICGFDIKKVHVLHFKNKYHENKKLIRCKVDGFTHLYTLILRPDLSYDVKIDGQSIE SGSIEYDWNLTSLKKETSPAESKDWEQTKDNKAQDWEKHFLDASTSKQSDWNGDL DGDWPAPMLQKPPYQDGLKPEGIHKDVWLHRKMKNTDYLTQYDLSEFENIGAIGLE LWQVRSGETIFDNFLITDDEEYADNFGKATWGGETKGPEREMDAIQAKEEMKKAREEE

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EEELLSGKINRHEHYFNQFHRNEL

**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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