

## Recombinant Human calreticulin 3, His-tagged

Cat. No. CALR3-476H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	CALR3, 20-384aa Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	20-384 a.a.
<b>Description</b>	<p>Calreticulin 3, also known as CALR3, is a member of the calreticulin (CRT) family. It is calcium-binding chaperones that are localized to the endoplasmic reticulum or sarcoplasmic reticulum in eukaryotes. CALR3 assists in the calreticulin/calnexin cycle, where it is involved in protein-folding, oligomeric assembly and quality control in the ER. With specific expression in testis, CALR3 has been implicated as a cancer-testis antigen due to its frequent expression in various cancers. Recombinant human CALR3 protein was expressed in E.coli.</p>
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
<b>Molecular Mass</b>	43 kDa (366aa)
<b>AA Sequence</b>	<p>MTVYFQEEFL DGEHWRNRWL QSTNDSRFGH FRLSSGKFYH HKEKDKGLQT  TQNGRFYAIS ARFKPFSNKG KTLVIQYTVK HEQKMDCGGG YIKVFPADID  QKNLNGKSQY YIMFGPDICG FDIKKVHVIL HFKNKYHENK KLIRCKVDGF  THLYTLILRP DLSYDVKIDG QSIESGSIEY DWNLTSLKKE TSPAESKDWE  QTKDNKAQDW EKHFLDASTS KQSDWNGDLD GDWPAPMLQK PPYQDGLKPE</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GIHKDVWLHR KMKNTDYLQ YDLSEFENIG AIGLELWQVR SGTIFDNFLI  
 TDDEEYADNF GKATWGETKG PEREMDAIQA KEEMKKAREE EEEELLSGKI  
 NRHEHYFNQF HRRNEL

**Purity** >90% by SDS - PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml (determined by Bradford assay)

## 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](#)

**Chromosome Location** 19p13.11

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Function**

calcium ion binding; sugar binding; unfolded protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA