

Recombinant Human calreticulin 3, His-tagged

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

SPECIFICATION

Product Overview	CALR3, 20-384aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	20-384 a.a.
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	43 kDa (366aa)
AA Sequence	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

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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

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Function

calcium ion binding; sugar binding; unfolded protein binding;

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