

**AR51393PU-S****Human Calreticulin-3 (20-384, His-tag) - Purified****Alternate names:**

CALR3, CRT2, Calreticulin-2

**Quantity:**

0.1 mg

**Concentration:**

1.0 mg/ml (determined by Bradford assay)

**Background:**

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.

**Uniprot ID:**[Q96L12](#)**NCBI:**[NP\\_659483](#)**GeneID:**[125972](#)**Species:**

Human

**Source:**

E. coli

**Format:****State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol**Description:**

Recombinant human CALR3 protein was expressed in E.coli.

**AA Sequence:**

MTVYFQEEFL DGEHWRNRWL QSTNDSRFGH FRLSSGKFY G HKEKDKGLQT TQNGRFY AIS  
ARFKPFSNKG KTLVIQYTVK HEQKMDCGGG YIKVFPADID QKNLNGKSQY YIMFGPDICG  
FDIAKVVHVL HFKNKYHENK KLIRCKVDGF THLYTLILRP DLSYDVKIDG QSIESGSIEY  
DWNLTSLKKE TSPAESKDWE QTKDNKAQDW EKHFLDASTS KQSDWNGDLD GDWPAPMLQK  
PPYQDGLKPE GIHKDVWLHR KMKNTDYLTQ YDLSEFENIG AIGLELWQVR SGTIFDNFLI  
TDDEEYADNF GKATWGGETKG PEREMDAIQA KEEMKKAREE EEEELLSGKI NRHEHYFNQF HRRNEL

**Molecular weight:** 43 kDa (366aa)**Storage:**Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.  
Avoid repeated freezing and thawing. Shelf life: one year from despatch.**General Readings:**

Persson S., et al. (2002) Gene. 297: 151-158.

Michalak M., et al. (1998) Biochem Cell Biol. 76: 779-785.

Pictures:

