



**Catalog Number:** PR27275

**Product Type:** Recombinant Protein

**Source:** E. Coli

**Amino Acid Sequence:** MTVYFQEEFL DGEHWRNRWL QSTNDSRFGH FRLSSGKFGY HKEKDKGLQT TQNGRFYAIS ARFKPFSNKG KTLVIQYTVK HEQKMDCGGG YIKVFPADID QKNLNGKSQY YIMFGPDICG FDIKKVHVI HFKNKYHENK KLIRCKVDGF THLYTLILRP DLSYDVKIDG QSIESGSIEY DWNLTSKKKE TSPAESKDW QTKDNKAQDW EKHFLDASTS KQSDWNGDLD GDWPAPMLQK PPYQDGLKPE GIHKDWWLHR KMKNTDYLQ YDLSEFENIG AIGLELWQVR SGTIFDNFLI TDDEEYADNF GKATWGETKG PEREMDAIQA KEEMKKAREE EEEELLSGKI NRHEHYFNQF HRRNEL.

**Description/Molecular Mass:** Calreticulin 3 (CALR3) belongs to the calreticulin (CRT) family which consists of calcium binding chaperones that are localized to the endoplasmic reticulum or sarcoplasmic reticulum in eukaryotes. CALR3, which is expressed mainly in testis, takes part in protein-folding, oligomeric assembly and quality control in the ER. CALR3 plays an important role as a cancer-testis antigen due to its frequent expression in many cancers.

CALR3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 366 amino acids (20-384 a.a) and having a molecular mass of 43kDa.

**Purity:** CALR3 is purified by proprietary chromatographic techniques.  
Greater than 90.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** CALR3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea, and 10% glycerol.

**Storage:** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### FOR RESEARCH USE ONLY

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Neuromics • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics.com](mailto:pshuster@neuromics.com)