
Product Data Sheet

Product Name: CALR3 Human
 Cat. No.: GP22960
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CRT2; FLJ25355; MGC26577; Calreticulin-3; Calreticulin-2; Calsperin; CALR3.		
Amino Acid Sequence	MTVYFQEEFL DGEHWRNRWL QSTNDSRFGH FRLSSGKFYG HKEKDKGLQT TQNGRFYAIS ARFKPFSNKG KTLVIQYTVK HEQKMDCGGG YIKVFPADID QKNLNGKSQY YIMFGPDICG FDIKKVHVIL HFKNKYHENK KLIRCKVDGF THLYTLILRP DLSYDVKIDG QSIESGSIEY DWNLTSLKKE TSPAESKDWE QTKDNKAQDW EKHFLDASTS KQSDWNGDLD GDWPAPMLQK PPYQDGLKPE GIHKDVWLHR KMKNTDYLTQ YDLSEFENIG AIGLELWQVR SGTIFDNFLI TDDEEYADNF GKATWGETKG PEREMDAIQA KEEMKKAREE EEEELLSGKI NRHEHYFNQF HRRNEL.		
Formulation	CALR3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea, and 10% glycerol.		

Introduction

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.

Stability

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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. CALR3 is purified by proprietary chromatographic techniques.

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