Recombinant Human CALR3, His-tagged

Cat. No. CALR3-5077H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CALR3 protein was expressed in E.coli.
Species	Human
Source	E.coli
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.
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 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

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. 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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