

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

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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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