

Recombinant human Calreticulin-2 protein

Catalog Number: ATGP2573

PRODUCT INFORMATION

Expression system

E.coli

Domain

20-384aa

UniProt No.

Q96L12

NCBI Accession No.

NP_659483

Alternative Names

Calreticulin 3, CRT2, FLJ25355, MGC26577

PRODUCT SPECIFICATION

Molecular Weight

43 kDa (366aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human CALR3 protein was expressed in E. coli.

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Amino acid Sequence

MTVYFQEEFL DGEHWRNRWL QSTNDSRFGH FRLSSGKFGY HKEKDKGLQT TQNGRFY AIS ARFKPFSNKG KTLVIQYTVK
HEQMDCGGG YIKVFPADID QKNLNGKSQY YIMFGPDICG FDIKKVHVIL HFKNKYHENK KLIRCKVDGF THLYTLILRP
DLSYDVKIDG QSIESGSIEY DWNLTSLKKE TSPAESKDWE QTKDNKAQDW EKHFLDASTS QSDWNGDLD
GDWPAPMLQK PPYQDGLKPE GIHKDVWLHR KMKNTDYLQ YDLSEFENIG AIGLELWQVR SGTIFDNFLI TDDEEYADNF
GKATWGETKG PEREMDAIQA KEEMKKAREE EEEELLSGKI NRHEHYFNQF HRRNEL

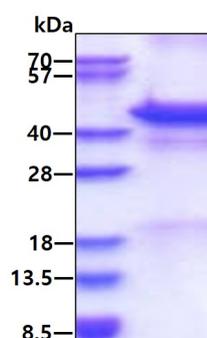
General References

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

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

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.