

Calreticulin Recombinant Protein | CALR recombinant protein

Calreticulin, 18-417aa, Human, His tag, E Coli

CATALOG # AAA48592	HOST E Coli	APPLICATIONS SDS-Page
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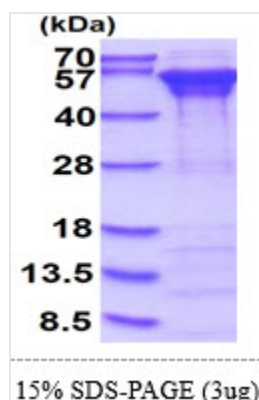
PRODUCT SYNONYMS

Calreticulin; 18-417aa; Human; His tag; E Coli; cC1qR; CRT; FLJ26680; RO; SSA; Autoantigen RO; CALR; CALR protein; Calregulin; CRP55; CRTc; ERp60; grp60; HACBP; Sicca syndrome antigen A.; CALR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 0.1M NaCl, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MEPAVYFKEQ FLDGDGWTSR WIESKHKSDF GKFLVSSGKF YGDEEKDKGL QTSQDARFYA LSASFEPFSN KGQTLVVQFT VKHEQNIDCG GGYVKLFPNS LDQTMHGDS EYNIMFGPDI CGPGTKKVHV IFNYKGKNVL INKDIRCKDD EFTHLYTLIV RPDNTYEVKI DNSQVESGSL EDDWDFLPPK KIKDPDASKP EDWDERAKID DPTDSKPEDW DKPEHIPDPD AKKPEDWDEE MDGEWEPPVI QNPEYKGEWK PRQIDNPDYK GTWIHPEIDN PEYSPDPSIY AYDNFGVLGL DLWQVKSGTI FDNFLITNDE AYAEFGNET WGVTKAAEQ MKDKQDEEQR LKEEEEDKKR KEEEEEADKE DDEDKDEEE DEEDKEEDEE EDVPGQAKDE L
Sequence Length	417
Applicable Applications for CALR recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	18-417aa
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for CALR recombinant protein	Calreticulin is the major calcium binding protein found in smooth muscle sarcoplasmic reticulum (SR) and non-muscle endoplasmic reticulum (ER) membranes. Calreticulin can inhibit the binding of androgen receptor to its hormone-responsive DNA element and can inhibit androgen receptor and retinoic acid receptor transcriptional activities in vivo, as well as retinoic acid-induced neuronal differentiation. Thus, Calreticulin can act as an important modulator of the regulation of gene transcription by nuclear hormone receptors. Recombinant human Calreticulin protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CALR recombinant protein	Heat Shock Proteins
References	Kropp LE., et al. (2010) J Immunol. 184 (10):5619-27. ; Singh P., et al. (2010) J Biochem. 147 (5):625-32.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757900
NCBI GeneID	811
NCBI Accession #	NP_004334
NCBI GenBank Nucleotide #	NM_004343.3
UniProt Accession #	P27797; Q6IAT4; Q9UDG2
Molecular Weight	48.7 kDa (421aa), confirmed by MALDI-TOF
NCBI Official Full Name	calreticulin
NCBI Official Synonym Full Names	calreticulin
NCBI Official Symbol	CALR
NCBI Official Synonym Symbols	RO; CRT; SSA; cC1qR; HEL-S-99n
NCBI Protein Information	calreticulin
UniProt Protein Name	Calreticulin
UniProt Gene Name	CALR
UniProt Synonym Gene Names	CRTC; ERp60

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/calr-recombinant-protein-e-coli-sds-page/48592>