Recombinant Human CALR Protein

Cat. No. CALR-06H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALR Protein was expressed in E. coli.
Species	Human
Source	E.coli
Description	Calreticulin is a highly conserved chaperone protein which resides primarily in the endoplasmic reticulum, and is involved in a variety of cellular processes, among them, cell adhesion. Additionally, it functions in protein folding quality control and calcium homeostasis. Calreticulin is also found in the nucleus, suggesting that it may have a role in transcription regulation. Systemic lupus erythematosus is associated with increased autoantibody titers against calreticulin. Recurrent mutations in calreticulin have been linked to various neoplasms, including the myeloproliferative type.
Form	Liquid. In 20 mM Tris-HCl, 150 mM NaCl, 5 mM CaCl2, pH 8.0, with 10% glycerol.
Molecular Mass	~45 kDa
AA Sequence	MSRWIESKHKSDFGKFVLSSGKFYGDEEKDKGLQTSQDARFYALSASFEPFSNKGQ TLVVQFTVKHEQNIDCGGGYVKLFPNSLDQTDMHGDSEYNIMFGPDICGPGTKKVH VIFNYKGKNVLINKDIRCKDDEFTHLYTLIVRPDNTYEVKIDNSQVESGSLEDDWDFL PPKKIKDPDASKPEDWDERAKIDDPTDSKPEDWDKPEHIPDPDAKKPEDWDEEMD GEWEPPVIQNPEYKGEWKPRQIDNPDYKGTWIHPEIDNPEYSPDPSIYAYDNFGVL GLDLWQVKSGTIFDNFLITNDEAYAEEFGNETWGVTKAAEKQMKDKQDEEQRLKEE EEDKKRKEEEEAEDKEDDEDKDEDEEDEEDKEEDEEEDVPGQAKDEL

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	<1 EU/ug as determined by LAL method.
Purity	>90%
Storage	Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20% glycerol and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.
Concentration	0.17 mg/ml
Official Full Name	Calreticulin

GENE INFORMATION

Gene Name	CALR calreticulin [Homo sapiens (human)]
Official Symbol	CALR
Synonyms	RO; CRT; SSA; cC1qR; HEL-S-99n
Gene ID	811
mRNA Refseq	NM_004343
Protein Refseq	NP_004334
MIM	109091
UniProt ID	P27797

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