Recombinant Human CALR3, His-tagged

Cat. No. CALR3-10675H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALR3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-384a.a.
Description	The protein encoded by this gene belongs to the calreticulin family, members of which are calcium-binding chaperones localized mainly in the endoplasmic reticulum. This protein is also localized to the endoplasmic reticulum lumen, however, its capacity for calcium-binding may be absent or much lower than other family members. This gene is specifically expressed in the testis, and may be required for sperm fertility. Mutation in this gene has been associated with familial hypertrophic cardiomyopathy.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	CALR3 calreticulin 3 [Homo sapiens]

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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
Function	calcium ion binding; sugar binding; unfolded protein binding;

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