



# Recombinant Human Sarcoplasmic reticulum histidine-rich calcium-binding protein (HRC)

<b>Product Code</b>	CSB-EP010732HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P23327
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>                     QL RGDGLGFRNR NNSTGVAGLS EEASAELRHH LHSPRDHPDE                      NKDVSTENGH HFWSHPDREK EDEDVSKEYG HLLPGHRSQD                      HKVGDEGVSG EEVFAEHGGQ ARGHRGHGSE DTEDSAEHRH                      HLPShRSHSH QDEDEDEVVS SEHHHHILRH GHRGHDGEDD EEEEEEEEE                      EEEEASTEYG HQAHRHRGHG SEDEDVSDG HHHHGPSHRH                      QGHEEDDDDD DDDDDDDDDD DVSIEYRHQA HRHQGHGIEE                      DEDVSDGHHH RDPShRHRSH EEDDNDDDDDV STEYGHQAHR                      HQDHRKEEVE AVSGEHHHHV PDHRHQGHRD EEEDEDVSTE                      RWHQGPQHVH HGLVDEEEEE EEITVQFGHY VASHQPRGHK                      SDEEDFQDEY KTEVPHHHHH RVPREEDDEV SAELGHQAPS                      HRQSHQDEET GHGQRGSIKE MSHHPPGHTV VKDRSHLRKD                      DSEEEKEKEE DPGSHEEDDE SSEQGEKGTH HGSRDQEDEE                      DEEEGHGLSL NQEEEEEEEDK EEEEEEEDEE RREERAEVGA PLSPDHSEEE                      EEEEEGLEED EPRFTIIPNP LDRREEAGGA SSEEESGEDT GPQDAQEYGN                      YQPGSLCGYC SFCNRCTECE SCHCDEENMG EHCDQCQHCQ                      FCYLCPLVCE TVCAPGSYVD YFSSSLYQAL ADMLETPEP                 </p>
<b>Source</b>	E.coli
<b>Target Names</b>	HRC
<b>Protein Names</b>	Recommended name: Sarcoplasmic reticulum histidine-rich calcium-binding protein
<b>Expression Region</b>	29-699
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a luminal sarcoplasmic reticulum protein identified by its ability to bind low-density lipoprotein with high affinity. The protein interacts with the cytoplasmic domain of triadin, the main transmembrane protein of the junctional sarcoplasmic reticulum (SR) of skeletal muscle. The protein functions in the regulation of releasable calcium into the SR.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.