



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

<b>Product Code</b>	CSB-EP010732HU
<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 SEEDEDVSDG 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 SSEESGEDT 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.

### 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.