



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

Product Code	CSB-MP010732HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P23327
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<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 SSEESGEDT GPQDAQEYGN YQPGSLCGYC SFCNRCTECE SCHCDEENMG EHCDQCQHCQ FCYLCPLVCE TVCAPGSYVD YFSSSLYQAL ADMLETPEP </p>
Source	Mammalian cell
Target Names	HRC
Protein Names	Recommended name: Sarcoplasmic reticulum histidine-rich calcium-binding protein
Expression Region	29-699
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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.