

Cysteine and glycine-rich protein 3 (CSRP3) Recombinant Protein | CSRP3 recombinant protein

Recombinant Human Cysteine and glycine-rich protein 3 (CSRP3)

CATALOG # AAA114039	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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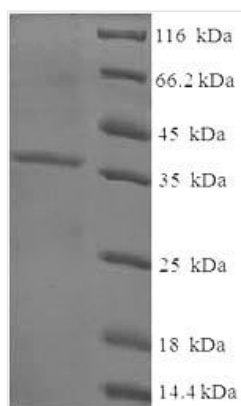
PRODUCT SYNONYMS

Cysteine and glycine-rich protein 3 (CSRP3); Recombinant Human Cysteine and glycine-rich protein 3 (CSRP3); Cardiac LIM protein; Cysteine-rich protein 3; CRP3; LIM domain protein; cardiac; Muscle LIM protein; CSRP3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-194. Full Length
Sequence	MPNWGGGAKC GACEKTVYHA EEIQCNGRSF HKTCFHC MAC RKALDSTTVA AHESEIYCKV CYGRRYGP KG IGYGQGAGCL STDTGEHLGL QFQQSPKPAR SVTTSNPSKF TAKFGESEKC PRCGKSVYAA EKVMGGGK PW HKTCFRCAIC GKSLESTNVT DKDGELYCKV CYAKNFGPTG IGFGGLTQQV EKKE
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CSRP3 recombinant protein	Positive regulator of myogenesis. Plays a crucial and specific role in the organization of cytosolic structures in cardiomyocytes. Could play a role in mechanical stretch sensing. May be a scaffold protein that promotes the assembly of interacting proteins at Z-line structures. It is essential for calcineurin anchorage to the Z line. Required for stress-induced calcineurin-NFAT activation.
Product Categories/Family for CSRP3 recombinant protein	Developmental Biology

References	Mapping of a human LIM protein (CLP) to human chromosome 11p15.1 by fluorescence in situ hybridization.Fung Y.W., Wang R.X., Heng H.H.Q., Liew C.C.Genomics 28:602-603(1995) Cloning of the gene encoding the human muscle LIM protein, a regulator of myogenesis.Medvedev A., Jetten A.M. Cloning and characterization of the human muscle LIM protein gene.Yasunaga S., Harada H., Kimura A.A novel member of LIM gene family involved in cardiovascular diseases.Chen K.H., Zhang J.F., Ma D.L., Tang J. Structure and dynamics of the human muscle LIM protein.Schallus T., Feher K., Ulrich A.S., Stier G., Muhle-Goll C.FEBS Lett. 583:1017-1022(2009) The cardiac mechanical stretch sensor machinery involves a Z disc complex that is defective in a subset of human dilated cardiomyopathy.Knoell R., Hoshijima M., Hoffman H.M., Person V., Lorenzen-Schmidt I., Bang M.-L., Hayashi T., Shiga N., Yasukawa H., Schaper W., McKenna W., Yokoyama M., Schork N.J., Omens J.H., McCulloch A.D., Kimura A., Gregorio C.C., Poller W., Schaper J., Schultheiss H.P., Chien K.R.Cell 111:943-955(2002) Mutations in the human muscle LIM protein gene in families with hypertrophic cardiomyopathy.Geier C., Perrot A., Ozcelik C., Binner P., Counsell D., Hoffmann K., Pilz B., Martiniak Y., Gehmlich K., van der Ven P.F.M., Furst D.O., Vornwald A., von Hodenberg E., Nurnberg P., Scheffold T., Dietz R., Osterziel K.J.Circulation 107:1390-1395(2003) Beyond the sarcomere CSRP3 mutations cause hypertrophic cardiomyopathy.Geier C., Gehmlich K., Ehler E., Hassfeld S., Perrot A., Hayess K., Cardim N., Wenzel K., Erdmann B., Krackhardt F., Posch M.G., Osterziel K.J., Bublak A., Nagele H., Scheffold T., Dietz R., Chien K.R., Spuler S., Furst D.O., Nurnberg P., Ozcelik C.Hum. Mol. Genet. 17:2753-2765(2008)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502893
NCBI GeneID	8048
NCBI Accession #	NP_003467.1
NCBI GenBank Nucleotide #	NM_003476.4
UniProt Accession #	P50461; Q9P131
Molecular Weight	37 kDa
NCBI Official Full Name	cysteine and glycine-rich protein 3
NCBI Official Synonym Full Names	cysteine and glycine rich protein 3
NCBI Official Symbol	CSRP3
NCBI Official Synonym Symbols	CLP; MLP; CRP3; LMO4; CMD1M; CMH12
NCBI Protein Information	cysteine and glycine-rich protein 3
UniProt Protein Name	Cysteine and glycine-rich protein 3
UniProt Gene Name	CSRP3
UniProt Synonym Gene Names	CLP; MLP; CRP3
UniProt Entry Name	CSRP3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.