Phospho-XIRP1 (Ser295) Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	XIRP1, Blocking Peptide
Full Product Name	Phospho-XIRP1 (Ser295) Blocking Peptide
Product Gene Name	XIRP1 blocking peptide
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	XIRP1 (Ser295) peptide (MBS9616111) is used for blocking the activity of XIRP1 (Ser295) antibody (MBS9612830)
Molecular Weight	123,431 Da
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for XIRP1 blocking peptide	Blocking/Control
Related Product Information for XIRP1 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of XIRP1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for XIRP1 purchase	MBS9616111 is a blocking peptide targeting XIRP1. Also known as Phospho-XIRP1 (Ser295) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for XIRP1. It may not necessarily be applicable to this product.

NCBI GI #	81870491
NCBI Accession #	O70373.2
UniProt Primary Accession #	O70373
NCBI Official Full Name	Xin actin-binding repeat-containing protein 1
UniProt Protein Name	Xin actin-binding repeat-containing protein 1
UniProt Synonym Protein Names	Cardiomyopathy-associated protein 1
Protein Family	Xin actin-binding repeat-containing protein

UniProt Gene Name	Xirp1
UniProt Synonym Gene Names	Cmya1; Xin
UniProt Comments for XIRP1	CMYA1: Protects actin filaments from depolymerization. Belongs to the Xin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Actin-binding; Cell adhesion; Cell development/differentiation Chromosomal Location of Human Ortholog: 9|9 F4 Cellular Component: cell junction; cell-cell adherens junction; fascia adherens; filamentous actin; focal adhesion; intercalated disc; stress fiber Molecular Function: actin binding; filamin binding; RNA binding Biological Process: actin cytoskeleton organization; cardiac muscle cell development; heart development; heart morphogenesis; negative regulation of cell proliferation; negative regulation of protein binding; Notch signaling pathway; regulation of membrane potential; sarcomere organization
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