CREST Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	CREST, Blocking Peptide
Full Product Name	CREST Blocking Peptide
Product Gene Name	CREST blocking peptide
Product Synonym Gene Name	SS18L1
Product Synonym Names	Calcium-responsive transactivator; CREST; CREST_HUMAN; KIAA0693; LP2261; MGC26711; MGC78386; sarcoma translocation gene on chromosome18like1; SS18; SS18-like protein 1; SS18L1; SSXT; synovial sarcoma translocation; synovial sarcoma translocation gene on chromosome 18-like 1; SYT homolog 1
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	CREST peptide (MBS9620967) is used for blocking the activity of CREST antibody (MBS9603490)
Molecular Weight	43,408 Da
OMIM	606472
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 CREST blocking peptide	Blocking/Control
Related Product Information for CREST 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 CREST 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 CREST purchase	MBS9620967 is a blocking peptide targeting CREST.

ADDITIONAL DETAILS

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

NCBI GI #	684625051
NCBI GeneID	26039
NCBI Accession #	NP_001288707.1
UniProt Primary Accession #	O75177

UniProt Secondary Accession #	Q5JXJ3; Q6MZV9; Q6NTH3; Q6XYD9; Q8NE69; Q9BR55; Q9H4K6; A6NNE3; A8K620; B3KWR8; E1P5H7
UniProt Related Accession #	O75177
GenBank Nucleotide #	NM_001301778.1
NCBI Official Full Name	calcium-responsive transactivator isoform 2
NCBI Official Synonym Full Names	SS18L1, nBAF chromatin remodeling complex subunit
NCBI Official Symbol	SS18L1
NCBI Official Synonym Symbols	CREST; LP2261
UniProt Protein Name	Calcium-responsive transactivator
UniProt Synonym Protein Names	SS18-like protein 1; SYT homolog 1
Protein Family	Heart- and neural crest derivatives-expressed protein
UniProt Gene Name	SS18L1
UniProt Synonym Gene Names	CREST; KIAA0693
UniProt Entry Name	CREST_HUMAN
NCBI Protein Information	calcium-responsive transactivator
NCBI Summary for CREST	This gene encodes a calcium-responsive transactivator which is an essential subunit of a neuron-specific chromatin-remodeling complex. The structure of this gene is similar to that of the SS18 gene. Mutations in this gene are involved in amyotrophic lateral sclerosis (ALS). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]
Research Articles on CREST	**1.** calcium-responsive transactivator and certain other amyotrophic lateral sclerosis-linked proteins share several features implicated in amyotrophic lateral sclerosis pathogenesis
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