

# CRMP1 Mouse

*Collapsin Response Mediator Protein-1 Mouse Recombinant  
RCP0532*

## Product Overview

Name CRMP1 Mouse

### Description

Collapsin Response Mediator Protein-1 Mouse Recombinant

Accession (Primary) [P97427](#)

### Synonyms

SEP53, DRC1, PDRC1, Cornulin, Tumor-related protein, Squamous epithelial heat shock protein 53, 53 kDa squamous epithelial-induced stress protein, 58 kDa heat shock protein, 53 kDa putative calcium-binding protein, CRNN, C1orf10.

### Introduction

CRNN is part of the "fused gene" family of proteins, which enclose N-terminus EF-hand domains and multiple tandem peptide repeats. CRNN contains two EF-hand Ca<sup>2+</sup> binding domains in its N-terminus and two glutamine- and threonine-rich 60 amino acid repeats in its C-terminus. CRNN, also known as SEP53, which participates in the mucosal/epithelial immune response and epidermal differentiation. CRNN is a survival factor that participates in the clonogenicity of squamous esophageal epithelium cell lines, attenuates deoxycholic acid (DCA)-induced apoptotic cell death and discharge of calcium. When CRNN is over expressed in oral squamous carcinoma cell lines, it regulates negatively cell proliferation by the induction of G1 arrest.

### Source

Escherichia Coli.

### Physical Appearance

Sterile Filtered clear colorless solution.

### Formulation

The CRNN solution contains 20mM Tris-HCl pH-8 and 10% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

### Purity

Greater than 85% as determined by SDS-PAGE.

### Amino acid sequence

MGSSHHHHHH SSSLVPRGSH MPQLLQNING IIEAFRRYAR TEGNCTALTR GELKRLLEQE FADVIVKPHD  
PATVDEVLRL LDEDHTGTVE FKEFLVLVFK VAQACFKTLS ESAEGACGSQ ESGSLHSGAS QELGEGQRSG  
TEVGRAGKGQ HYEGSSHRQS QQGSRGQNRP GVQTQGGATG SAWVSSYDRQ AESQSQERIS PQIQLSGQTE  
QTQKAGEGKR NQTTEMRPER QPQTREQDRA HQTGETVTGS GTQTQAGATQ TVEQDSSHQT GRTSKQTQEA  
TNDQNRGTET HGQGRSQTSS AVTGGHAQIQ AGTHTQTPTQ TVEQDSSHQT GSTSTQTQES TNGQNRGTEI  
HGQGRSQTSS AVTGGHTQIQ AGSHTETVEQ DRSQTVSHGG AREQQQTQTQ PGSGQRWMQV SNPEAGETVP  
GGQAQTGAST EPGRQEWSST HPRRCVTEGQ GDRQPTVVGE EWVDDHSRET VILRLDQGNL HTSVSSAQGQ  
DAAQSEEKRG ITARELYSYL RSTKP.

### Precautions

CRMP1 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information:** ( [P97427](#) )