

# Recombinant Bovine S100A9 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08150

**Protein Name:** Calgranulin Protein S100-A9 (S100A9)

**Aliases:** MIF; NIF; P14; CAGB; CFAG; CGLB; L1AG; LIAG; MRP14; 60B8AG; MAC387; MRP-14; S100-A9; calgranulin protein S100-A9; calprotectin L1H subunit; S100 calcium binding protein A9; leukocyte L1 complex heavy ...

**UniProt ID:** P06702

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P06702/entry>

**Species Source:** Bos taurus (Bovine)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (2-156aa)

**Molecular Weight:** 34.5 kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged and C-terminal Myc-tagged

## 2. Amino Acid Sequence (2-156aa)

EDKMSQMESSIETIINIFHQYSVRLGHYDTLIQKEFKQLVQKELPNFLKKQKKNEAAI  
NEIMEDLDTNVDKQLSFEEFIMLVARLTVASHEEMHNTAPPGQGHRHGPYGGKGG  
SGSCSGQGSPDQGSHDLGSHGHGHGSHGGHGHSHGGHGHSH

## 3. Storage Buffer

**Liquid Delivery Form:** Tris-based buffer with 50% glycerol.

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.



## 5. Product Description

This product is a recombinant Bovine S100A9 full length of mature protein protein (2-156aa) expressed in E.coli. The protein is dual-tagged with 6xHis-SUMO tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. S100A9, also known as MIF or NIF or P14, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.