

## Recombinant Bovine Melanotransferrin (MELTF)

Cat. No.: AP9C231

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Bovine Melanotransferrin (MELTF) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 80.7 kDa. The purity is >85% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	80.7 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

### Target Information

Bovine melanotransferrin (MELTF), also known as melanotransferrin or p97, is an iron-binding protein found in cattle. It is a member of the transferrin family, which is involved in the transport and storage of iron. MELTF plays a role in cellular iron metabolism, potentially aiding in the regulation of iron levels within cells. This protein may also contribute to the defense against oxidative stress and could be involved in the immune response. In Bovines, MELTF is important for maintaining cellular health and may have implications for disease resistance and overall welfare.

Protein	Bovine Melanotransferrin (MELTF)
Gene ID	<a href="#">539803</a>
UniProt ID	<a href="#">E1BG25</a>

### Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at  $-80^{\circ}\text{C}$  upon receipt. Reconstituted protein solution can be stored at  $4^{\circ}\text{C}$  for 1 week, at  $< -80^{\circ}\text{C}$  for 12 months. Avoid repeated freezing and thawing.

---

### **User Note**

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile distilled water to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimize freeze-thaw cycles.

---

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.