Catalog Number: 500344



# **General Information**

#### Gene Name Synonym

S-protein; Serum-spreading factor

# **Protein Construction**

A DNA sequence encoding the mouse vitronectin (NP\_035837.1) (Met 1-Lys 478) was expressed, with a polyhistidine tag at the C-terminus.

#### Organism

Mouse

# **Expression Host**

Human Cells

# **QC Testing**

#### Activity

Measured by the ability of the immobilized protein to support the adhesion of DU145 human prostate carcinoma cells.

When cells are added to mouse Vitronectin coated plates (10  $\mu$ g/mL and 100  $\mu$ L/well), > 60% cells will adhere specifically after 30 minutes at 37 °C.

# Purity

> 94 % as determined by SDS-PAGE

#### Endotoxin

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

# Stability

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}\mathrm{C}$ 

# **Predicted N terminal**

Asp 20

#### **Molecular Mass**

The secreted recombinant mouse vitronectin consists of 470 amino acids and has a predicted molecular mass of 54.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmvitronectin is approximately 75-85 kDa due to glycosylation.

# Formulation

Lyophilized from sterile PBS, pH 7.41. 5 % trehalose and mannitol are added as protectants before lyophilization.2. Please contact us for any concerns or special requirements.

# **Usage Guide**

#### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

# Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

# **SDS-PAGE**

KDa	M
116	
66.2	
45.0	-
35.0	-
25.0	-
18.4	-
14.4	

Mouse Vitronectin / VTN Protein (His Tag) SDS-PAGE